

FIG. 1

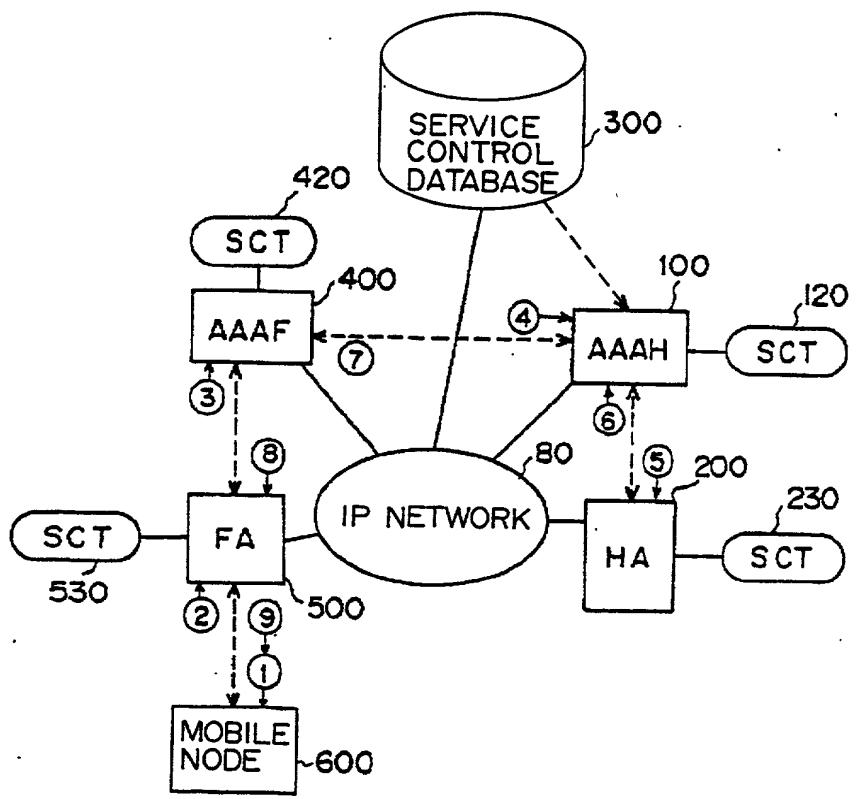


FIG. 2

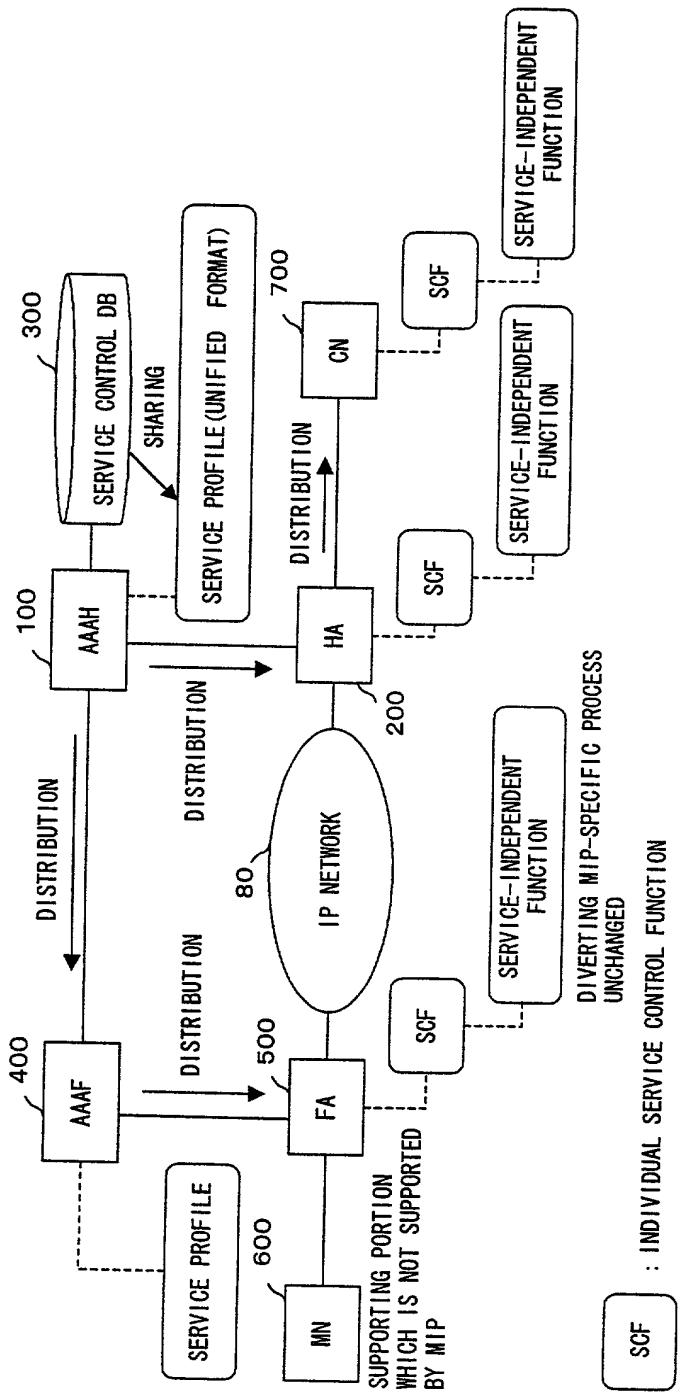


FIG. 3

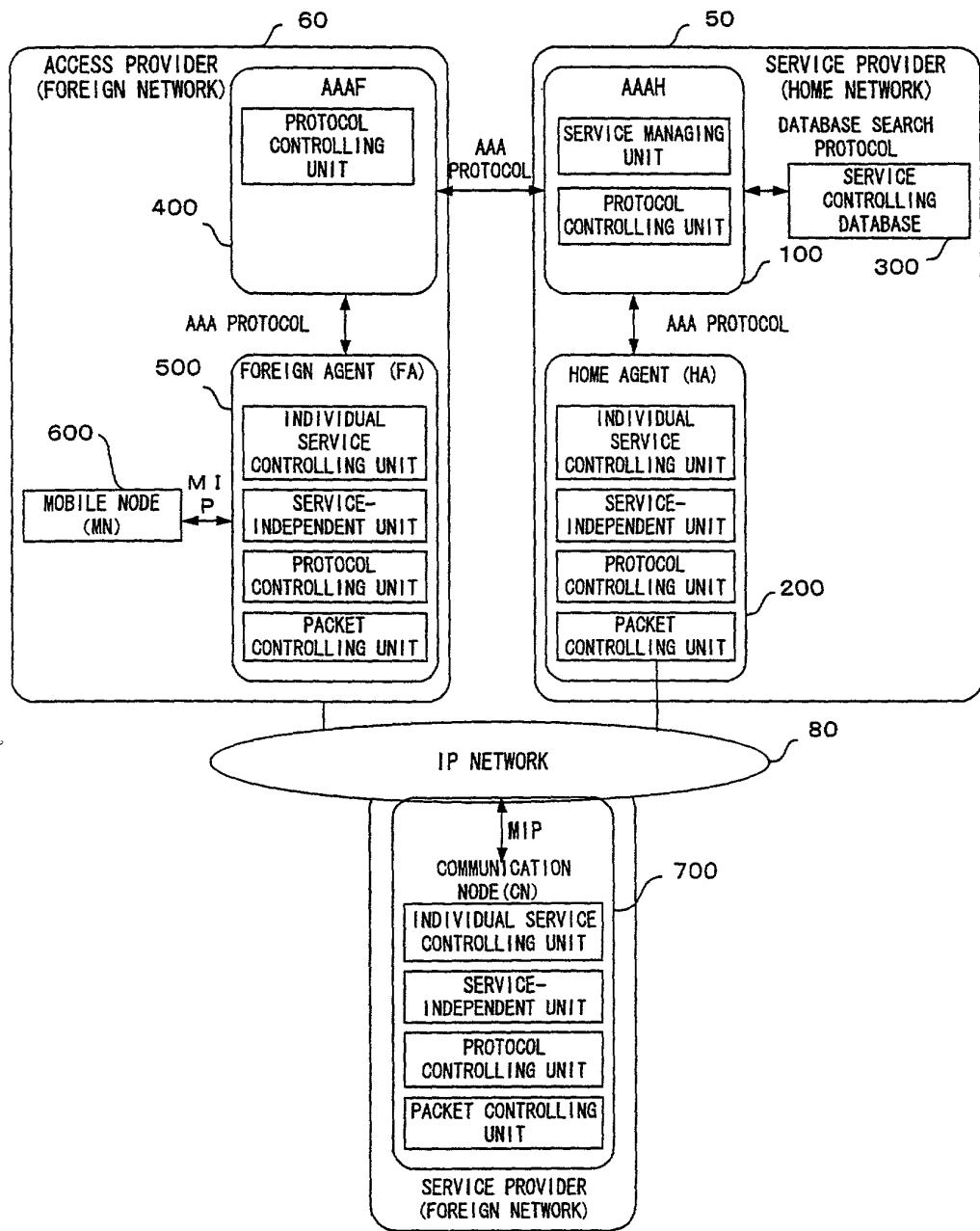


FIG. 4

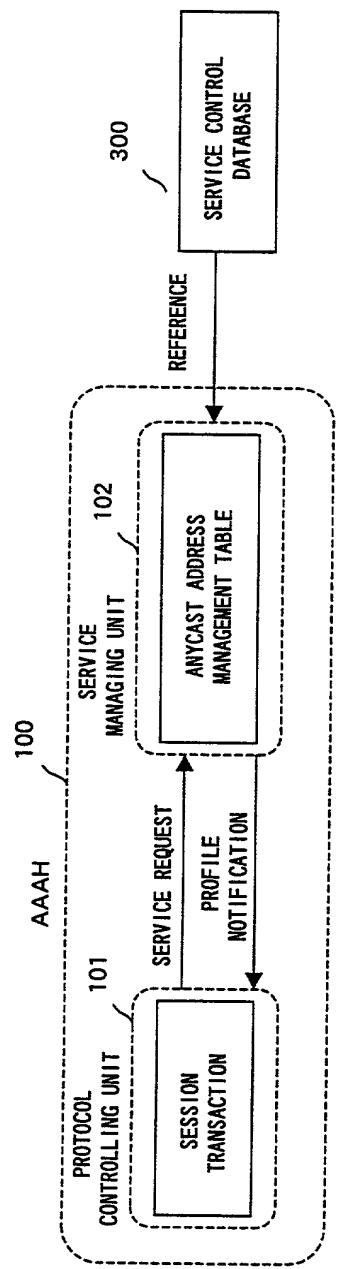


FIG. 5

CONSTITUENT ELEMENT	CONTENTS
NAI	USER NAI (NETWORK ACSESS IDENTIFIER)
USER PROFILE	USER NAME, ADDRESS, TELEPHONE NO., ETC.
USER AUTHENTICATION INFORMATION	MN-AAA AUTHENTICATION KEY/USER ID/PASSWORD
SLA (SERVICE LEVEL AGREEMENT)	CONTRACT CONDITION OF SUBSCRIBER
PROFILE FOR INDIVIDUAL SERVICE	PROFILE INFORMATION ABOUT INDIVIDUAL SERVICE SUCH AS DIFF-SERVE, PACKET FILTERING, ANYCAST, MULTICAST, ETC.

F I G. 6

SERVICE CLASS	CONTENTS
CLASS A	GUARANTEEING THAT TRANSMISSION DELAY IS WITHIN ALLOWABLE RANGE.
CLASS B	ADDING TO QUEUE WITH HIGH PRECEDENCE WITHIN RANGE WHERE CLASS A IS NOT INFLUENCED BY Diff-Serv. THIS CLASS MAY BE DIVIDED INTO SEVERAL CLASSES.
CLASS C	BEST EFFORT. ADDING TO QUEUE WITH LOWER PRECEDENCE THAN CLASS B.

F I G. 7

ACCOUNTING METHOD	CONTENTS
FIXED CHARGE (FLAT RATE FOR FIXED TIME, EXTRA CHARGE FOR EXCEEDING TIME)	BASIC CHARGE WEIGHTED IN CORRESPONDENCE WITH SERVICE CLASS + UNIT TIME CHARGE WEIGHTED IN CORRESPONDENCE WITH SERVICE CLASS X EXCEEDING TIME
PACKET-QUANTITY-BASED CHARGE	\sum (UNIT CHARGE WEIGHTED IN CORRESPONDENCE WITH SERVICE CLASS X TOTAL QUANTITY OF UPSTREAM AND DOWNSTREAM PACKETS OF EDGE NODE (FA))

F - G. 8

RESTRICTION CONDITION	CONTENTS
AMOUNT OF MONEY	IF CHARGE EXCEEDS AMOUNT OF MONEY SPECIFIED BY USER, WARNING IS ISSUED TO USER, WHO IS MADE TO SELECT WHETHER TO CONTINUE COMMUNICATION
TIME	ACCESS WITHIN TIME PERIOD DURING WHICH COMMUNICATION TRAFFIC VOLUME IS HEAVY ARE PROHIBITED, SO THAT CHEAPER ACCOUNTING SERVICE IS PROVIDED CHANGING A SERVICE CLASS DEPENDING ON THE TIME OF DAY
SERVICE CLASS CHANGE DEPENDING ON PACKET TYPE	TOTAL AMOUNT OF MONEY OF PACKET-UNITITY-BASED CHARGE IS HELD DOWN BY SPECIFYING SERVICE CLASS ACCORDING TO APPLICATION TYPE
ROAMING	EXTRA CHARGE DUE TO PERMISSION OF ROAMING SERVICE OR CHARGE DISCOUNT DUE TO PROHIBITION OF ROAMING SERVICE

FIG. 9

SERVICE TYPE	Diff-Serv
Diff-Serv APPLICATION POLICY	CONDITIONAL EXPRESSION (SIMILAR TO POLICY DESCRIPTION LANGUAGE)
ADDITIONAL INFORMATION (MULTIPLE ITEMS PERMITTED)	CLASS A CLASS B CLASS C
IDENTIFICATION BETWEEN UPSTREAM AND DOWNSTREAM	UPSTREAM: PACKET TRANSMITTING FROM MN DOWNSTREAM: PACKET RECEIVING BY MN
IP ADDRESS	TRANSMISSION SOURCE ADDRESS WHEN BEING SPECIFIED BY CONDITIONAL EXPRESSION
PORT NUMBER	TRANSMISSION SOURCE PORT NUMBER WHEN BEING SPECIFIED BY CONDITIONAL EXPRESSION

FIG. 10

SERVICE TYPE		ANYCAST
ADDITIONAL INFORMATION	ADDRESS SELECTION POLICY	CONDITIONAL EXPRESSION (SIMILAR TO POLICY DESCRIPTION LANGUAGE)
	ANYCAST ADDRESS	ADDRESS TO WHICH ANYCAST SERVICE IS APPLIED

FIG. 11

CONFIGURATION RESULT	DETAILED CONFIGURATION INFORMATION		DESCRIPTION
PROFILE IDENTIFIER	SESSION IDENTIFIER	SESSION ID	
	PROFILE NUMBER	VALUE UNIQUELY ASSIGNED TO EACH SESSION	
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	PACKET TRANSMISSION SOURCE ADDRESS	
	SOURCE PORT NUMBER	PACKET TRANSMISSION SOURCE PORT NUMBER	
	DESTINATION ADDRESS	PACKET RECEPTION DESTINATION ADDRESS	
	DESTINATION PORT NUMBER	PACKET RECEPTION DESTINATION PORT NUMBER	
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	TRANSFER PACKET ENCAPSULATION METHOD	
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	PACKET TRANSFER DESTINATION ADDRESS	
	TOS	TOS VALUE ASSIGNED TO PACKET	
	DECAPSULATION INSTRUCTION	DECAPSULATION REQUEST	
INDIVIDUAL CONTROL INFORMATION	SERVICE CONTROL TYPE	CONTROL TABLE TO BE SEARCHED NEXT SERVICE PROFILE CACHE BINDING CACHE MIP HOME (MOBILITY BINDING) MIP FOREIGN (VISITOR LIST) ANYCAST TABLE (EXTENDED VISITOR LIST) ROUTING TABLE.	
	CONTROL INFORMATION IDENTIFIER	REFERENCE IDENTIFIER OF INDIVIDUAL CONTROL TABLE	

F I G. 1 2

anycast address is often used during the process of determining which node in a network should handle a particular request. It is often used in distributed systems to ensure that requests are handled by the most appropriate node.

ANYCAST ADDRESS		
NAI	HOME ADDRESS	TERMINAL STATE
:	:	:

FIG. 13

CONSTITUENT ELEMENT	DESCRIPTION
SESSION ID	NAI OF MAN/32-BIT VALUE/OPTION
HA ADDRESS	HA ADDRESS SPECIFIED BY AAAH
ADDRESS OF AAAF SPECIFYING HA	ADDRESS OF AAAF THAT AAAH REQUESTS TO SPECIFY HA
CURRENT AAAF ADDRESS	ADDRESS OF AAAF WHICH REQUESTS AMR
SECURITY INFORMATION	INFORMATION FOR AUTHENTICATING RELATIONSHIP BETWEEN HA AND AAAF
SESSION TIMER	VALID TIME PERIOD OF THIS TRANSACTION
FA SERVICE PROFILE	SEE FIG. 12
HA SERVICE PROFILE	SEE FIG. 12

FIG. 14

AAAF400

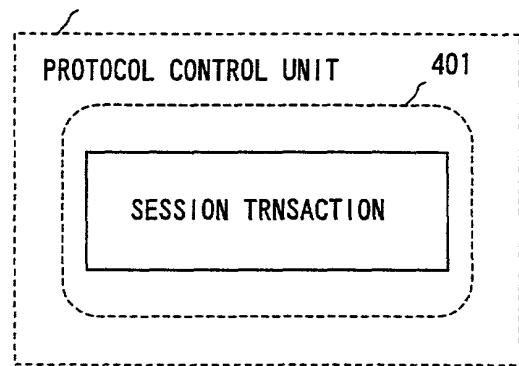


FIG. 15

CONSTITUENT ELEMENT	DESCRIPTION
SESSION ID	<NAI OF MN><32-BIT VALUE><OPTION>
AAA ADDRESS	AAA ADDRESS IDENTIFIED BY NAI OF MN
HA ADDRESS	HA ADDRESS SPECIFIED BY AAAF
PREVIOUS FA-NAI	NAI OF PREVIOUS FA WHEN MN MOVES TO NEW FA
CURRENT FA-NAI	NAI OF FA TO WHICH MN IS CURRENTLY CONNECTING
SECURITY INFORMATION	INFORMATION FOR AUTHENTICATING RELATIONSHIP BETWEEN FA, AAAH, AND HA (WHEN BEING SPECIFIED BY AAAF)
SESSION TIMER	VALID TIME PERIOD OF THIS TRANSACTION
FA SERVICE PROFILE	SEE FIG. 12
HA SERVICE PROFILE	SEE FIG. 12
STATE	WAITING TO BE PROCESSED, HA IS BEING REQUESTED, AMA IS BEING PROCESSED

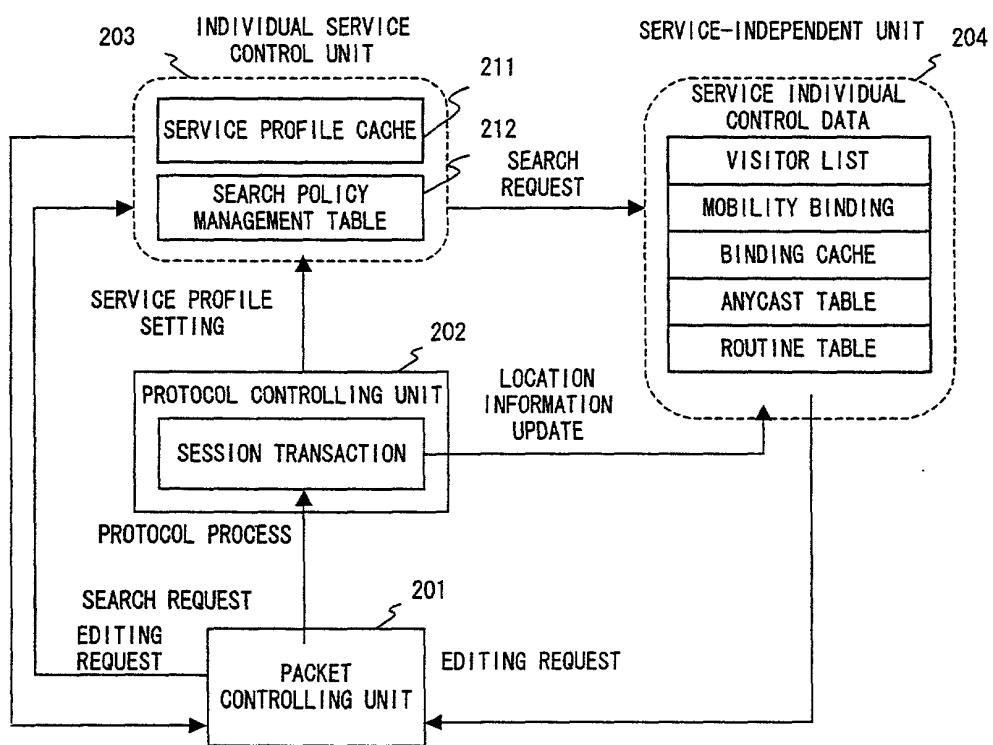


FIG. 17

CONSTITUENT ELEMENT	DESCRIPTION
SESSION ID	<N/A OF MN><32-BIT><OPTION>
SESSION TIMER	VALID TIME PERIOD OF THIS TRANSACTION

F I G. 1 8

SERVICE PROFILE CACHE		DESCRIPTION
SPC	INDIVIDUAL NODE SPC (NSPC)	SOURCE SPC (NSPCsrc)
	SOURCE DEFAULT SP (NDSPsrc)	SERVICE PROFILE SET FOR WHICH SOURCE INFORMATION OF DATA PACKET GENERATED BY MOBILE NODE FROM STATIC INFORMATION STORED ONTO HD, ETC. OF NETWORK DEVICE AT THE TIME OF INITIAL CONFIGURATION IS USED AS SEARCH CONDITION. MAINLY USED TO PERFORM USER-INDEPENDENT COMMON SERVICE CONTROL
	DESTINATION SPC (NSPCdst)	SERVICE PROFILE APPLIED WHEN THERE IS MATCH OF ANY OF SERVICE PROFILES IN NSPCsrc, AND NO MATCH IN INDIVIDUAL CONTROL TABLE
	DESTINATION DEFAULT SP (NDSPdst)	SERVICE PROFILE SET FOR WHICH DESTINATION INFORMATION OF DATA PACKET GENERATED BY MOBILE AGENT FROM STATIC INFORMATION STORED ONTO HD, ETC. OF NETWORK DEVICE AT THE TIME OF INITIAL CONFIGURATION IS USED AS SEARCH CONDITION. MAINLY USED TO PERFORM USER-INDEPENDENT COMMON SERVICE CONTROL
	DEFAULT SP (NDSP)	SERVICE PROFILE APPLIED WHEN THERE IS MATCH OF ANY OF SERVICE PROFILES IN NSPCdsp, AND NO MATCH IN INDIVIDUAL CONTROL TABLE
	SOURCE SPC (ASPCsrc)	SERVICE PROFILE FOR SEARCHING CONTROL TABLE SPECIFIC TO NETWORK DEVICE WHEN THERE IS NO MATCH OF ANY SERVICE PROFILES
	DESTINATION SPC (ASPCdst)	USER-SPECIFIC SERVICE PROFILE SET FOR WHICH SOURCE INFORMATION OF DATA PACKET NOTIFIED FROM AAA SYSTEM WHEN MN LOGS IN NETWORK IS USED AS SEARCH CONDITION
AAA- NOTIFIED SPC (ASPC)		USER-SPECIFIC SERVICE PROFILE SET FOR WHICH DESTINATION INFORMATION OF DATA PACKET NOTIFIED FROM AAA SYSTEM WHEN MN LOGS IN NETWORK IS USED AS SEARCH CONDITION

FIG. 19

PROCEDURAL STEP	CACHE SEARCHED	CACHE SEARCH RESULT	INDIVIDUAL CONTROL DATA SEARCH RESULT	NEXT SEARCH PROCESS
1	ASPCsrc	MATCH	MATCH	NORMAL END
		MISMATCH	MISMATCH	ABNORMAL END
2	NSPCsrc	MATCH	MATCH	NSPCsrc SEARCH
		MISMATCH	MISMATCH	NSPCsrc REFERENCE
3	ASPCdst	MATCH	MATCH	NORMAL END
		MISMATCH	MISMATCH	ASPCdst SEARCH
4	NSPCdst	MATCH	MATCH	NORMAL END
		MISMATCH	MISMATCH	NSPCdst SEARCH
5	NDSP	MATCH	MATCH	NDSP REFERENCE
		MISMATCH	MISMATCH	NORMAL END
				ABNORMAL END

FIG. 20

CONSTITUENT ELEMENT	DESCRIPTION
IP TRANSMISSION SOURCE ADDRESS (HOME ADDRESS)	MN HOME ADDRESS NOTIFIED BY REGISTRATION REQUEST OR AMA
MN LINK LAYER SOURCE ADDRESS	LINK LAYER (MAC) ADDRESS OF MN
UDP TRANSMISSION SOURCE PORT	UDP SOURCE PORT OF MN
HOME AGENT ADDRESS	ADDRESS OF HA WHICH FORWARDS REGISTRATION REQUEST. NOTIFIED BY REGISTRATION REQUEST OR AMA
REGISTRATION REQUEST IDENTIFIER FIELD	IDENTIFIER FOR MAKING CORRESPONDENCE BETWEEN REQUEST AND REPLY
LIFETIME	VALID TIME PERIOD OF REGISTRATION REQUEST
AUTHENTICATION INFORMATION	AUTHENTICATION INFORMATION ACCORDING TO WHICH FA AUTHENTICATES MN

FIG. 21

CONSTITUENT ELEMENT	DESCRIPTION
HOME ADDRESS	HOME ADDRESS ASSIGNED TO MN
CARE-OF ADDRESS OF MOBILE NODE	IP ADDRESS OF FA TO WHICH MN IS CURRENTLY CONNECTED
IDENTIFIER FILED OF REGISTRATION REQUEST	IDENTIFIER FOR MAKING CORRESPONDENCE BETWEEN REQUEST AND REPLY
LIFETIME	VALID TIME PERIOD OF REGISTRATION REQUEST
AUTHENTICATION INFORMATION	INFORMATION ACCORDING TO WHICH FA AUTHENTICATES MN

FIG. 22

SOURCE ADDRESS	SOURCE PORT	DESTINATION ADDRESS	DESTINATION PORT	ENCAPSULATION	CARE-OF ADDRESS	TOS
111. 100. 101		222. 200. 100. 123	.	xx	333. 300. 100. 0	xx
		222. 200. 100. 133		xx	333. 300. 100. 0	yy

FIG. 23

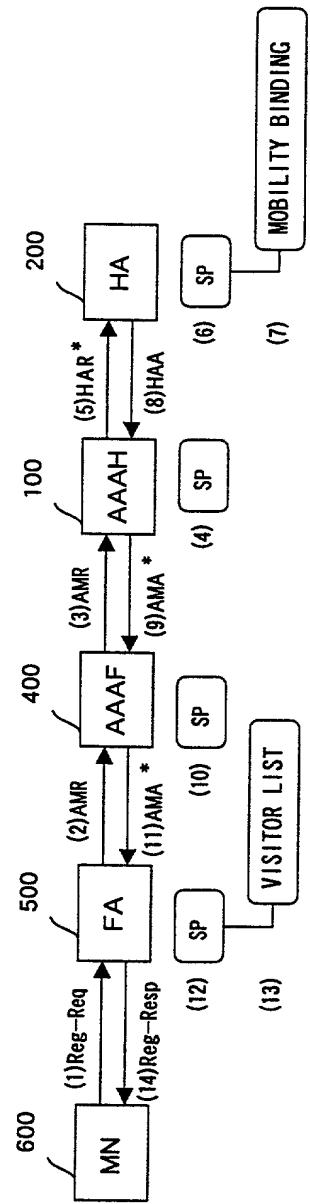
CONSTITUENT ELEMENT	DESCRIPTION
IP PROXY ADDRESS	HOME ADDRESS OF MN
IP SOURCE ADDRESS	ANYCAST ADDRESS
LINK LAYER SOURCE ADDRESS	MAC ADDRESS OF MN
UDP SOURCE PORT	UDP SOURCE PORT OF MN
HOME AGENT ADDRESS	ADDRESS OF HOME AGENT HAVING HOME ADDRESS OF MN
ADDRESS PROXY ADDRESS	ADDRESS OF ADDRESS PROXY HAVING ANYCAST ADDRESS
IDENTIFIER FIELD OF REGISTRATION REQUEST	IDENTIFIER FOR MAKING CORRESPONDENCE BETWEEN REQUEST AND REPLY
LIFETIME	REGISTRATION TIME PERIOD

FIG. 24

DESTINATION ADDRESS	NEXT HOP ADDRESS
111. *. *. *	111. 100. 100. 0
222. *. *. *	222. 200. 200. 0
333. *. *. *	333. 300. 300. 0

FIG. 25

upm 600 500 400 300 200
600 500 400 300 200
600 500 400 300 200
600 500 400 300 200
600 500 400 300 200



F I G. 2 6

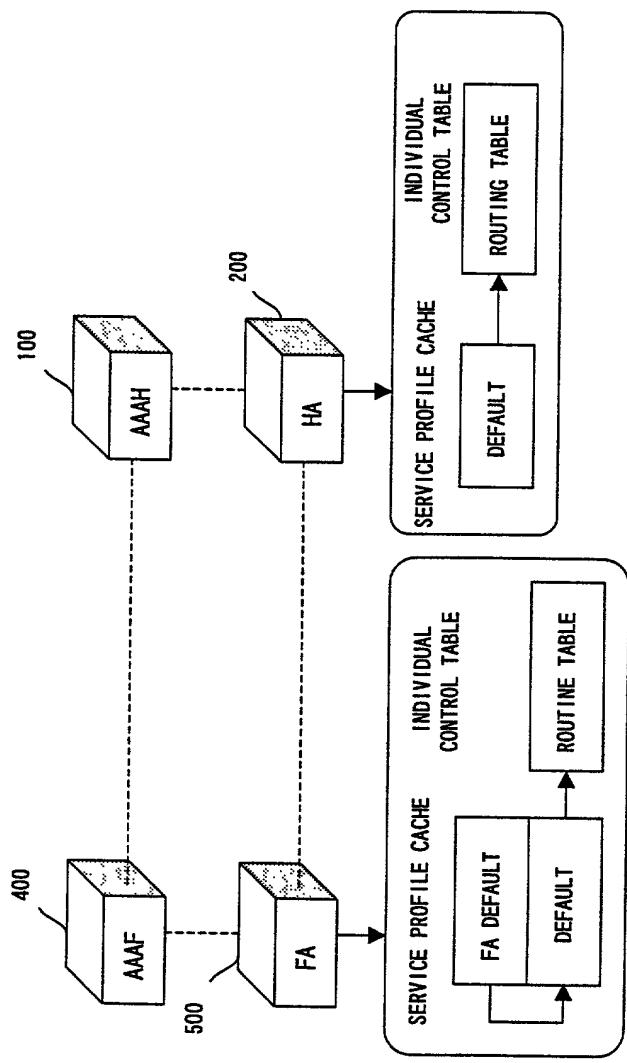


FIG. 27

CONSTITUENT INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	*
	DESTINATION PORT NUMBER	*
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEST SERVICE CONTROL TYPE	ROUTING TABLE

FIG. 28 A

CONSTITUENT INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	IP ADDRESS OF FA (CARE-OF ADDRESS)
	DESTINATION PORT NUMBER	*
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	*
	DECAPSULATION INSTRUCTION	GIVEN
INDIVIDUAL CONTROL INFORMATION	NEST SERVICE CONTROL TYPE	SERVICE PROFILE CACHE

FIG. 28 B

CONSTITUENT INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	*
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	ROUTING TABLE

FIG. 29

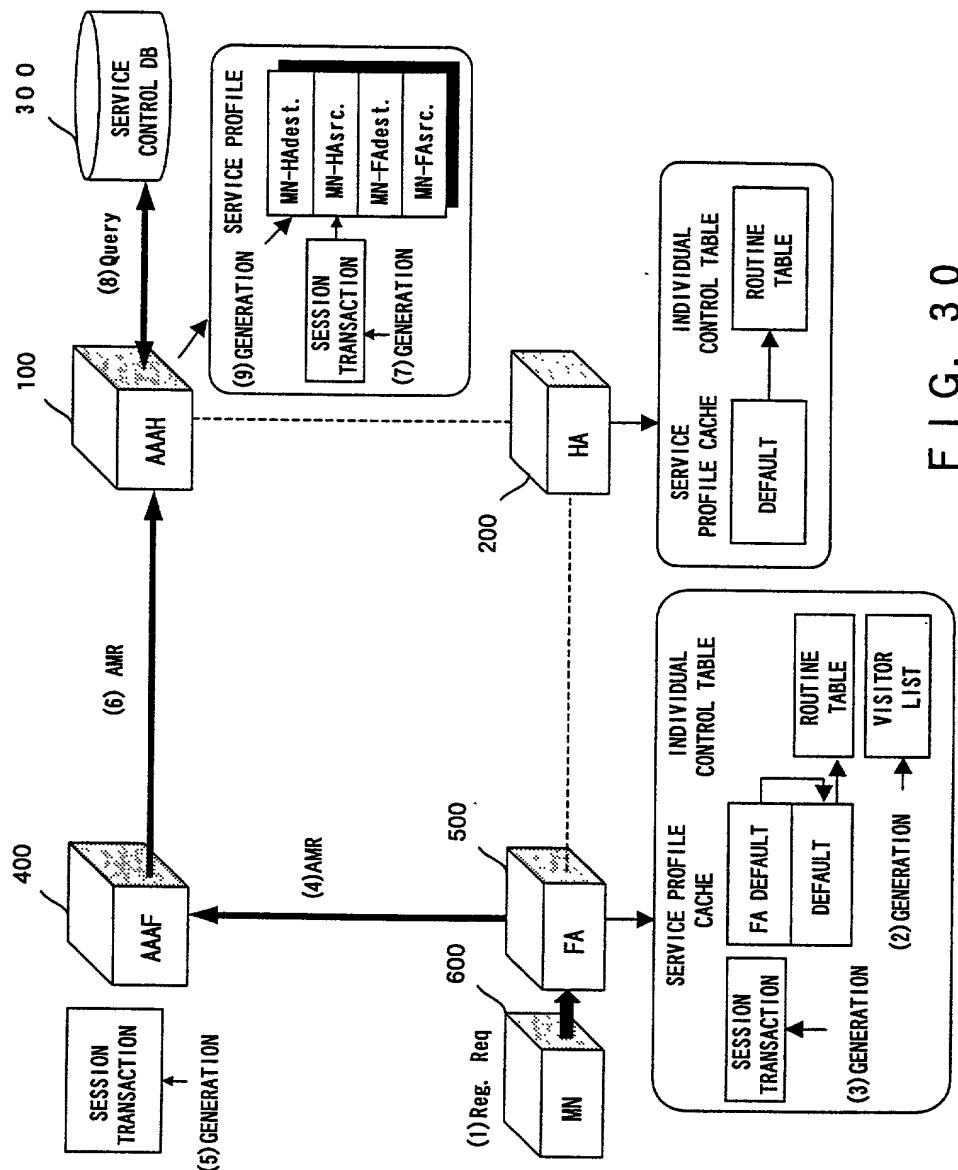


FIG. 30

CONFIGURATION INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	HOME ADDRESS OF MN
	DESTINATION PORT NUMBER	PORT NUMBER OF MN (OPTION)
	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
ROUTINE/PACKET EDITING INFORMATION	TOS	SPECIFIED AT THE TIME OF DIFF-Serv EXECUTION
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	MOBILITY BINDING

FIG. 31 A

CONFIGURATION INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	TRANSMISSION SOURCE ADDRESS	HOME ADDRESS OF CN
	TRANSMISSION SOURCE PORT NUMBER	PORT NUMBER OF CN (OPTION)
	RECEPTION DESTINATION ADDRESS	*
	RECEPTION DESTINATION PORT NUMBER	*
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	"0" IS SPECIFIED AT THE TIME OF PACKET FILTERING
	TOS	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	*

FIG. 31 B

FIG. 3 2 A

CONFIGURATION INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION		
SOURCE ADDRESS	*	*
SOURCE PORT NUMBER	*	*
DESTINATION ADDRESS	HOME ADDRESS OF MN	
DESTINATION PORT NUMBER	PORT NUMBER OF MN (OPTION)	
ROUTINE/PACKET EDITING INFORMATION		
ENCAPSULATION (ENCRYPTION) METHOD	*	*
TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*	*
TOS	*	*
DECAPSULATION INSTRUCTION	NOT GIVEN	
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	VISITOR LIST

FIG. 3 2 B

CONFIGURATION INFORMATION	DETAILED CONFIRMATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION		
SOURCE ADDRESS	HOME ADDRESS OF MN	
SOURCE PORT NUMBER	PORT NUMBER OF MN (OPTION)	
DESTINATION ADDRESS	*	*
DESTINATION PORT NUMBER	*	*
ROUTINE/PACKET EDITING INFORMATION		
ENCAPSULATION (ENCRYPTION) METHOD	*	*
TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*	*
TOS	SPECIFIED AT THE TIME OF Diff-Serv EXECUTION (OPTION)	
DECAPSULATION INSTRUCTION	NOT GIVEN	
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	ROUTING TABLE

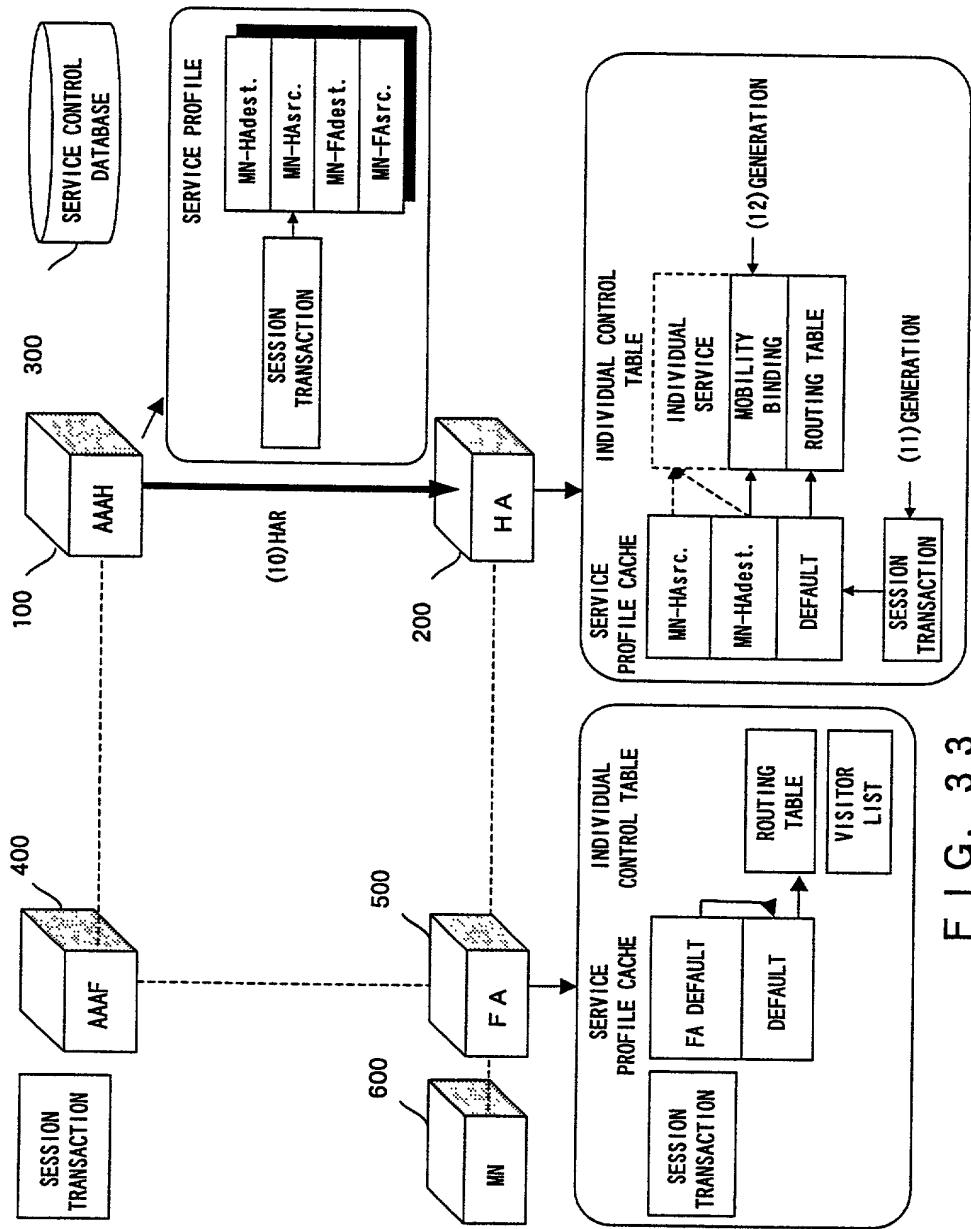


FIG. 33

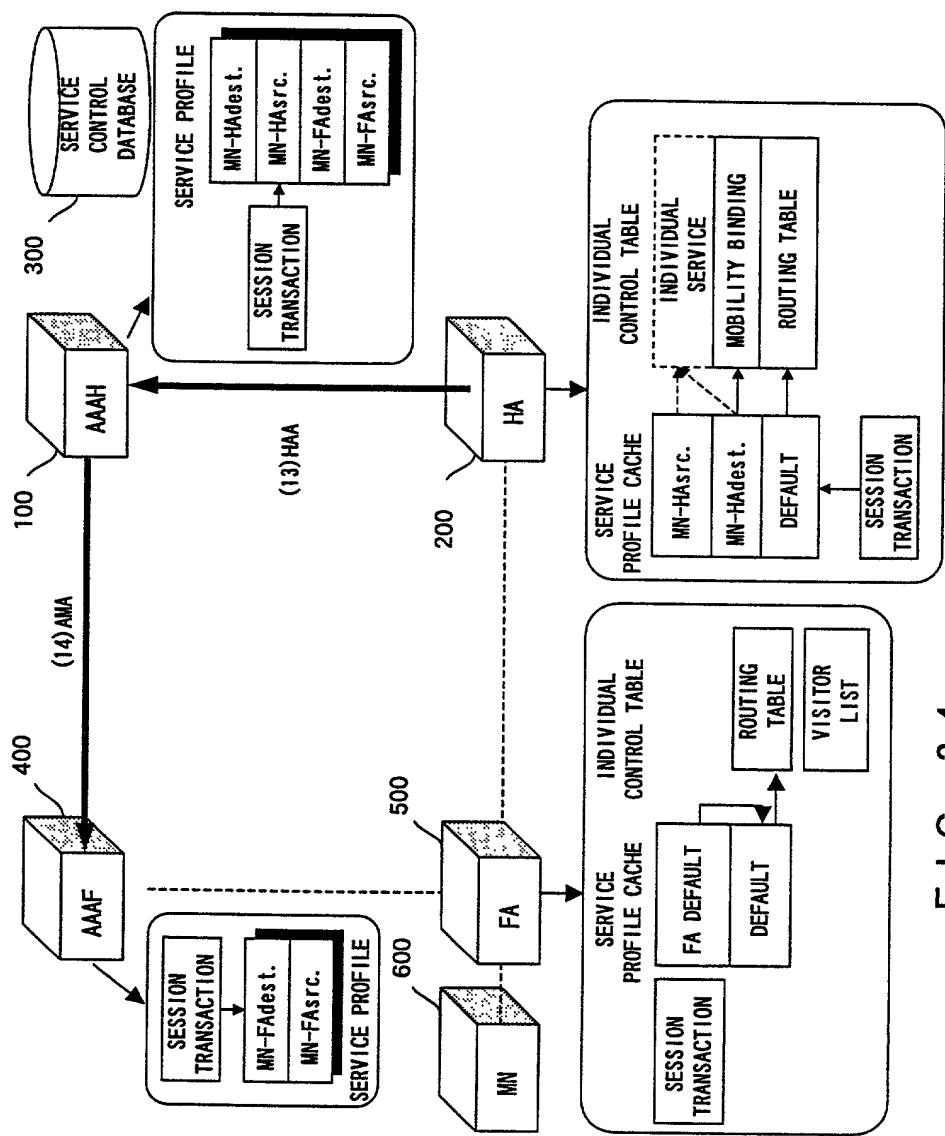


FIG. 3.4

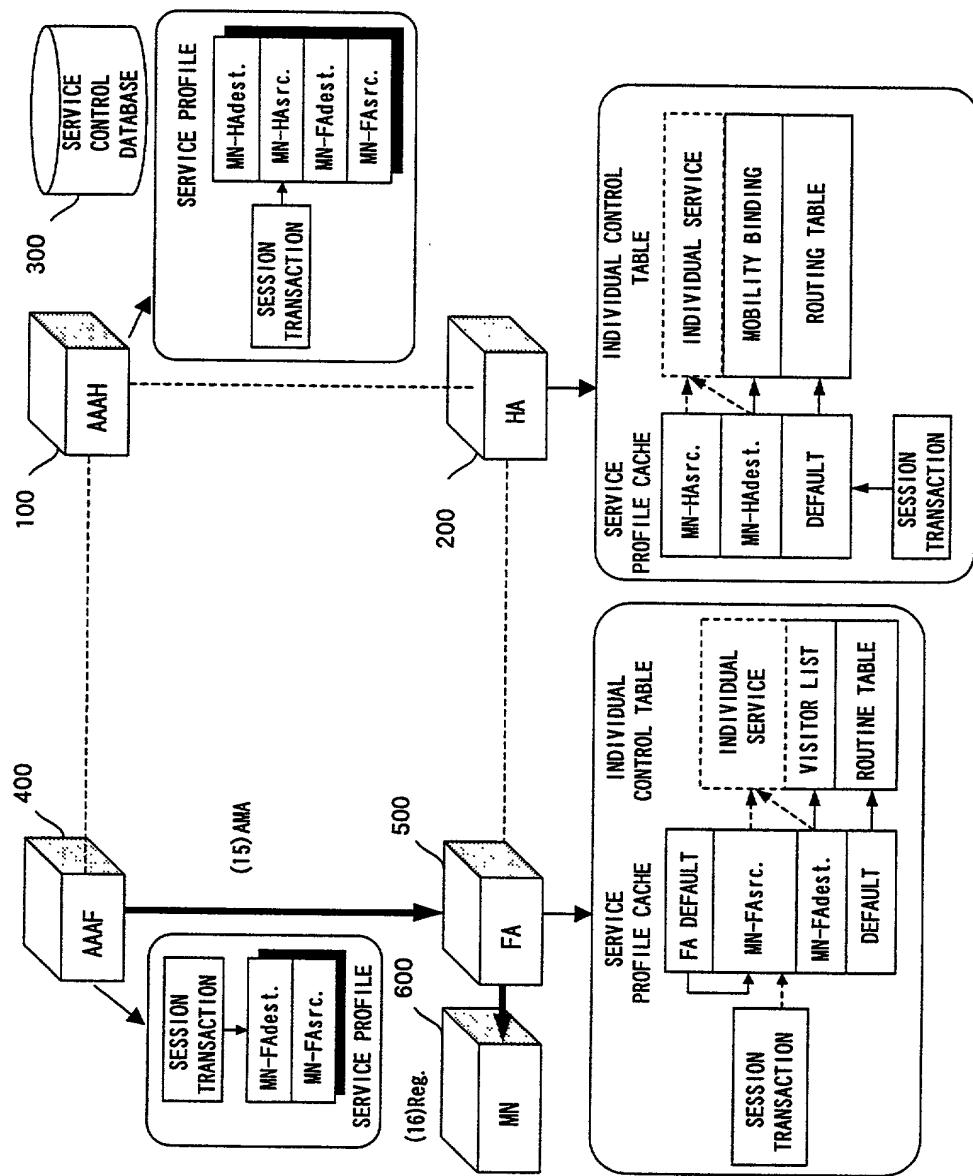


FIG. 35

sign. If the sign is not found in the table, the default value is used.

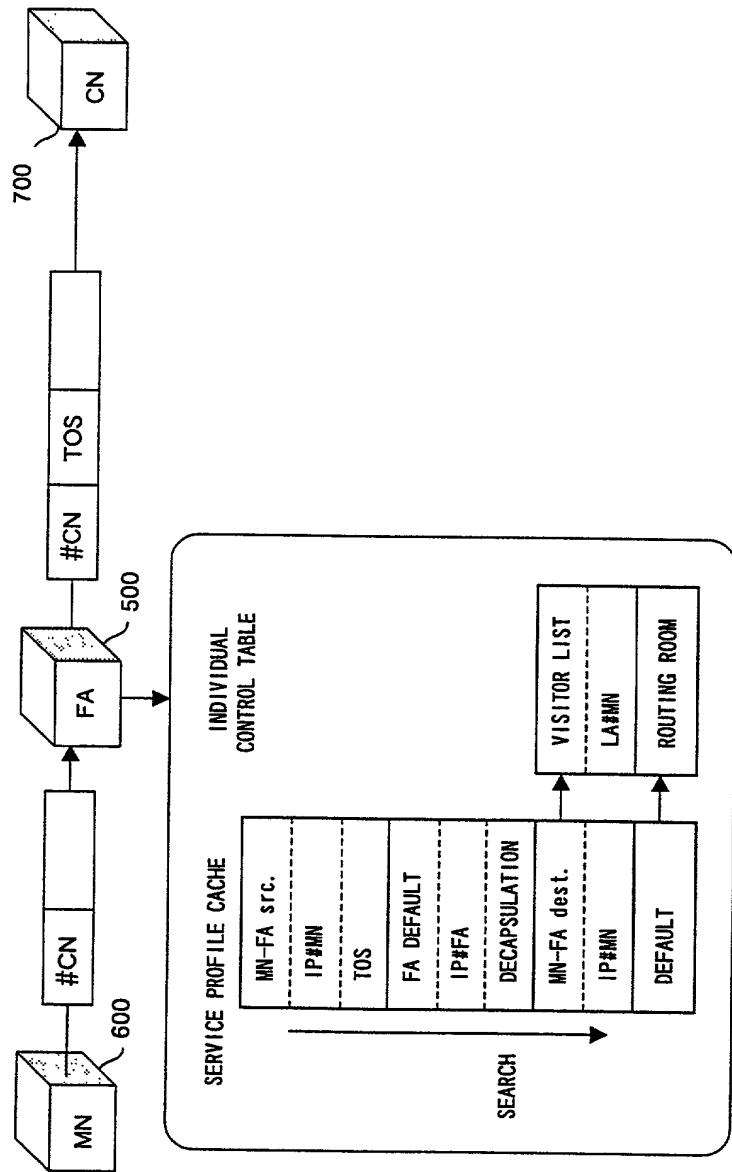


FIG. 36

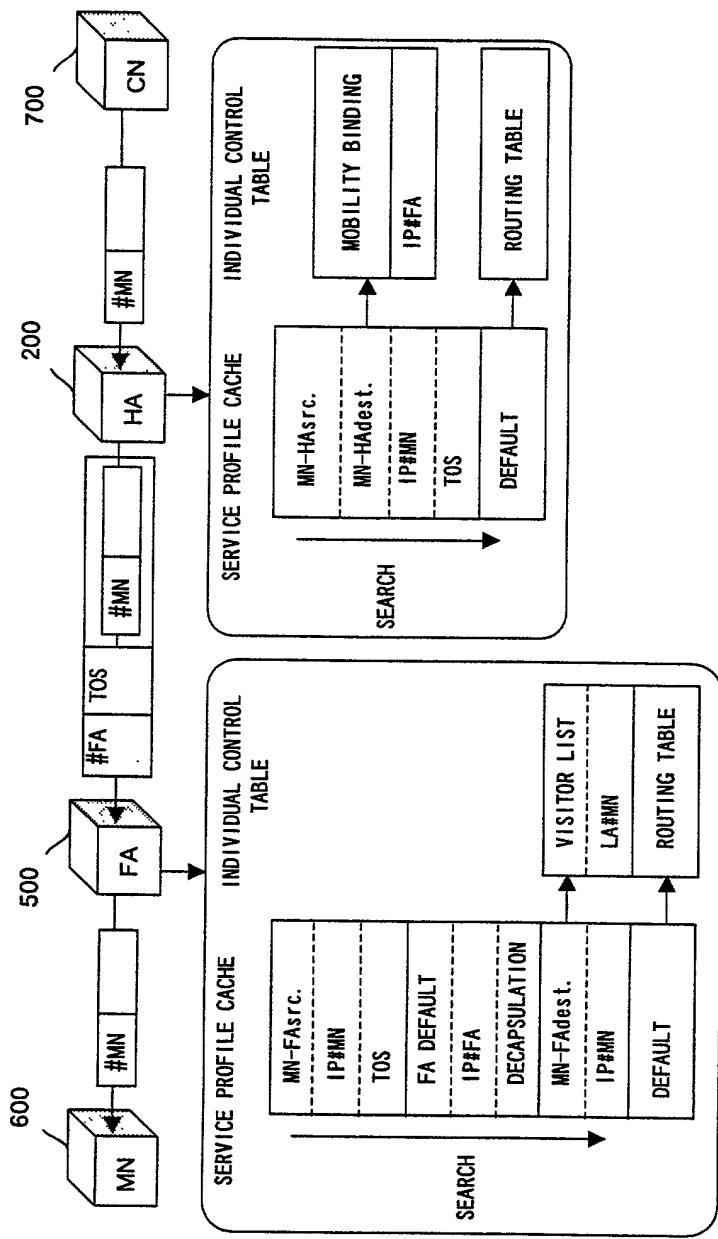


FIG. 37

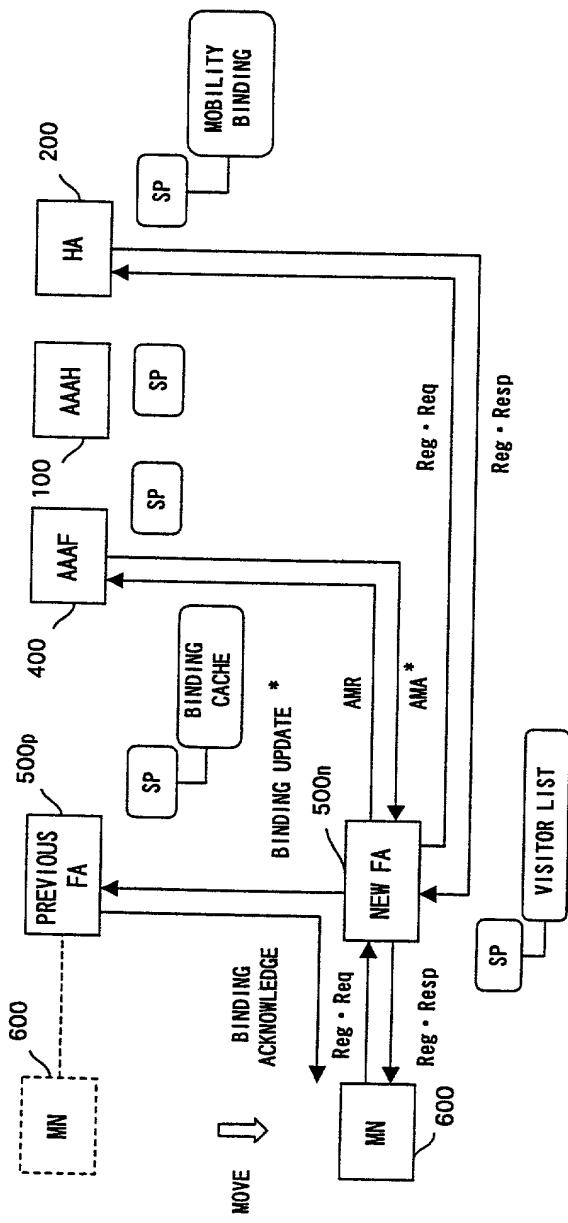
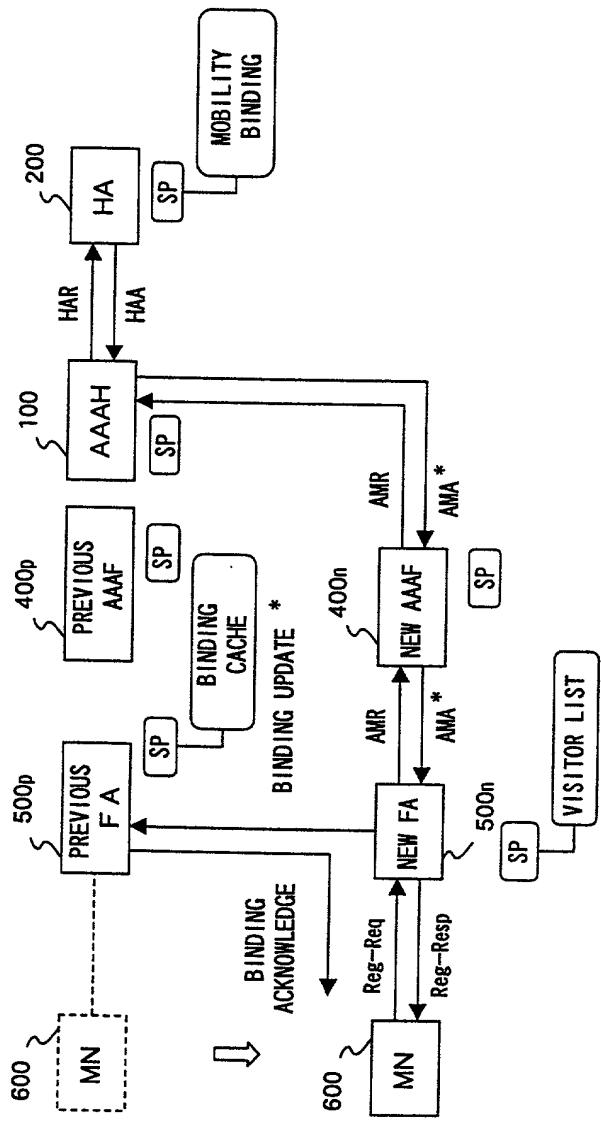


FIG. 38



F - G. 39

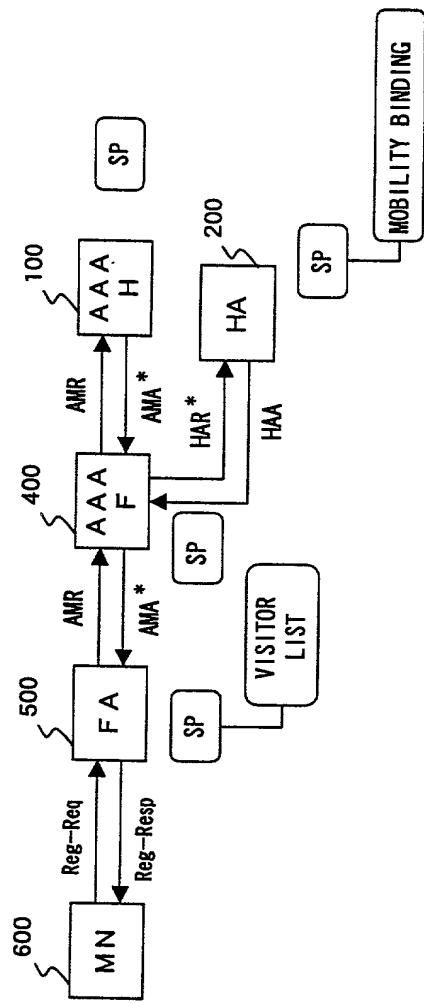


FIG. 40

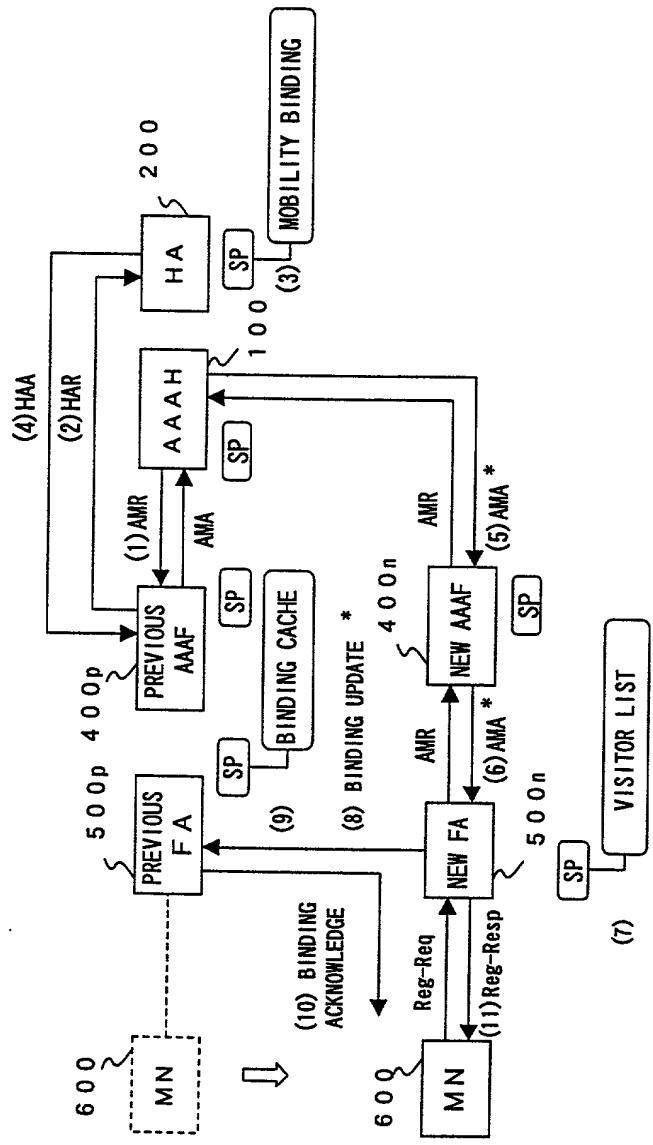


FIG. 41

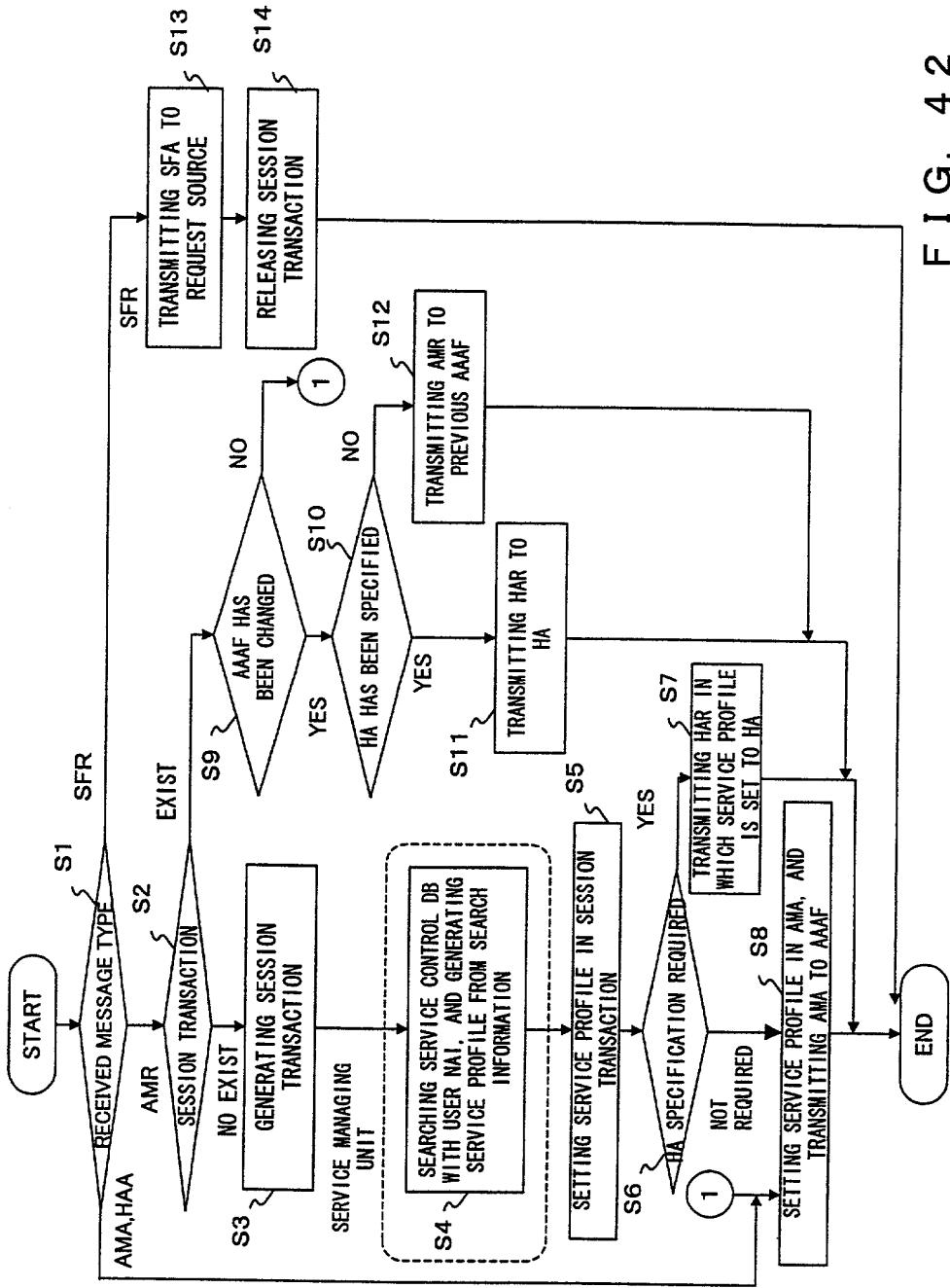


FIG. 42

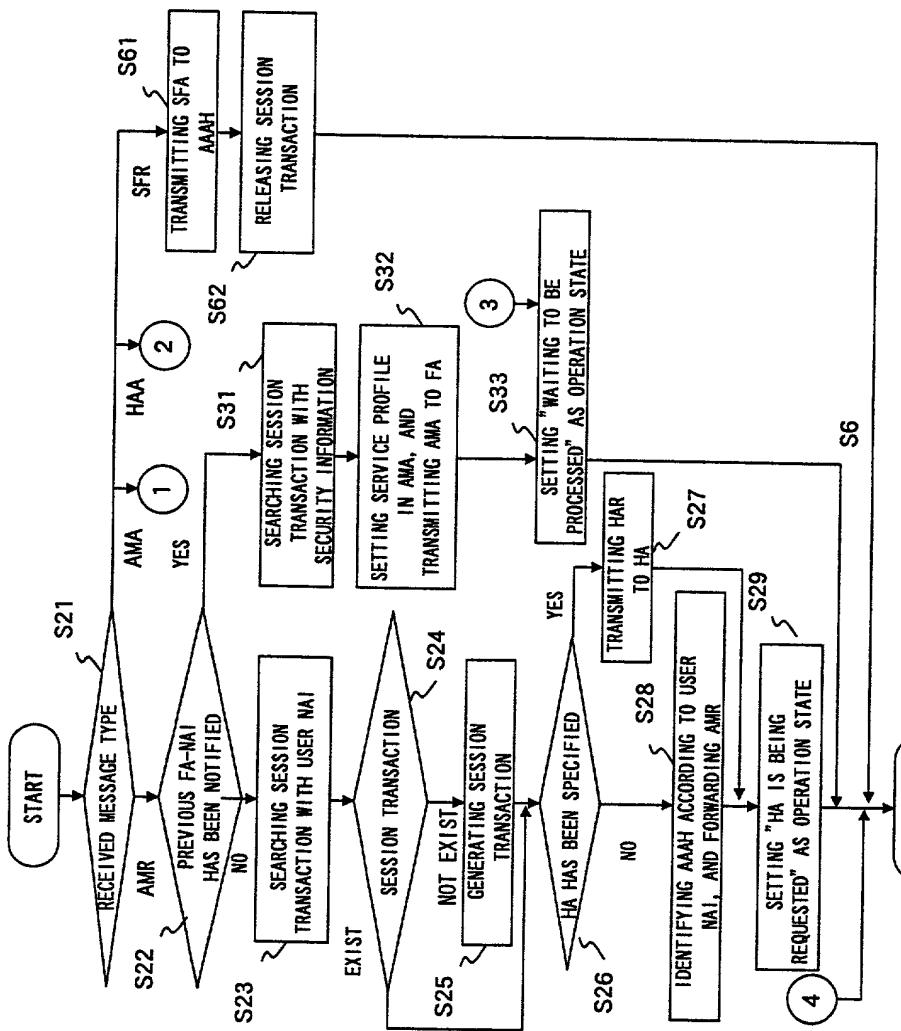


FIG. 43

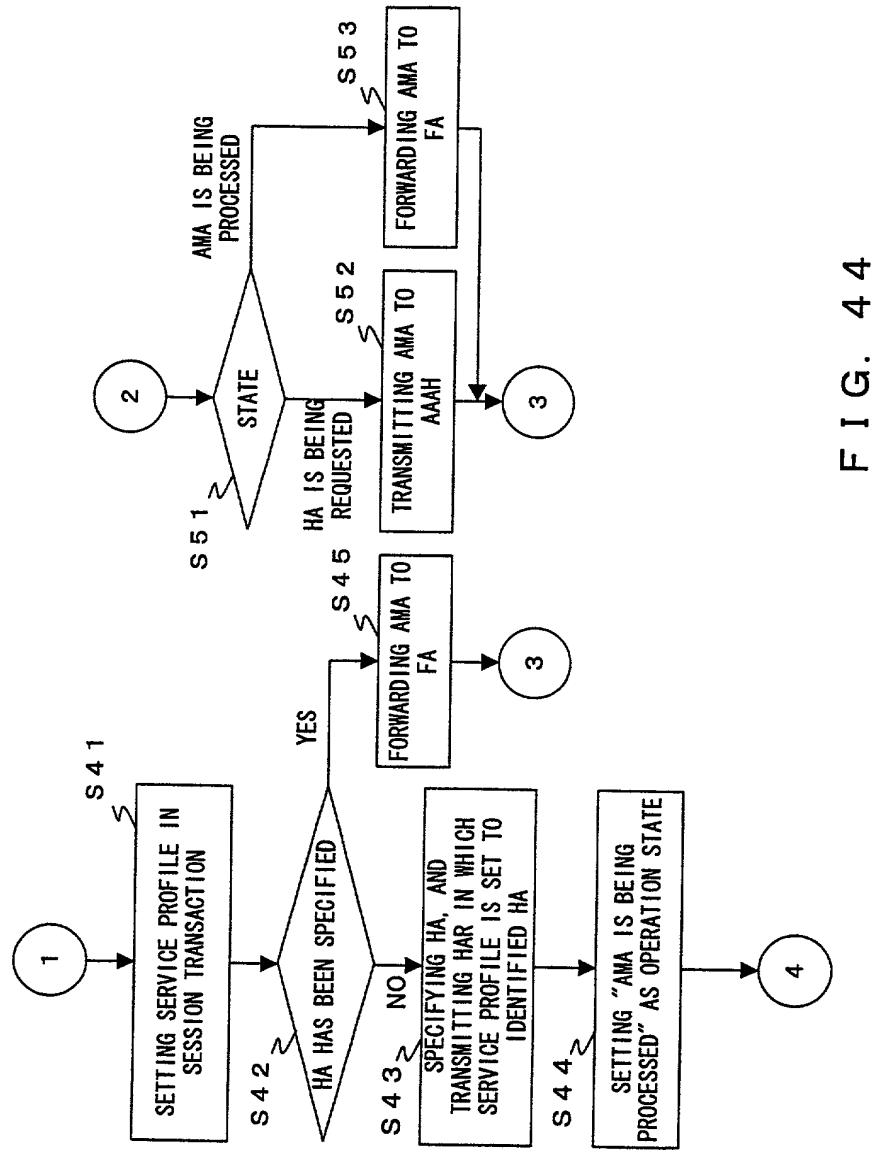


FIG. 44

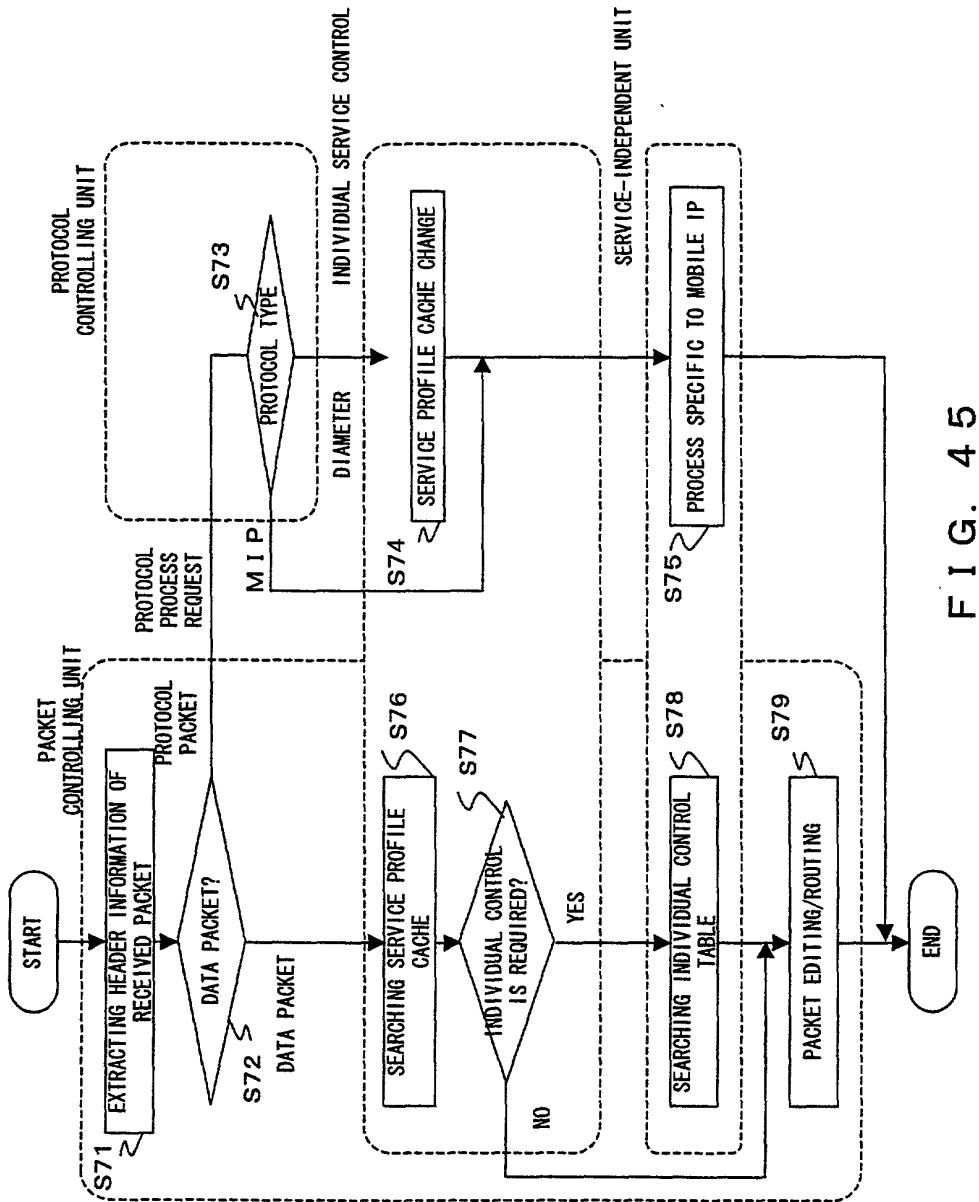


FIG. 45

SERVICE PROFILE CACHE		SEARCH INFORMATION		INDIVIDUAL CONTROL TABLE	
SPC	INDIVIDUAL NODE SPC (NSPC)	SOURCE SPC (NSPCsrc)			
		SOURCE DEFAULT SP (NDSPsrc)			
		DESTINATION SPC (NSPCdst)	HA SEGMENT ADDRESS	MOBILITY BINDING	
		DESTINATION DEFAULT SP (NDSPdst)	ALL	ROUTING TABLE	
		DEFAULT SP (NDSP)	ALL	ROUTING TABLE	
AAA-NOTIFIED SPC (ASPC)		SOURCE SPC (ASPCsrc)			
		DESTINATION SPC (ASPCdst)			

F I G. 4 6

SERVICE PROFILE CACHE		SEARCH INFORMATION		INDIVIDUAL CONTROL TABLE	
SPC	INDIVIDUAL NODE (NSPC)	SOURCE SPC (NSPCsrc)			
	SOURCE DEFAULT SPC (NDSPsrc)				
	DESTINATION SPC (NSPCdst)	CARE-OF ADDRESS (DECAPSULATION AT THE TIME OF HIT)		SERVICE PROFILE CACHE	
	DESTINATION DEFAULT SPC (NDSPdst)	ALL		VISITOR LIST	
	DEFAULT SPC (NDSP)	ALL		ROUTING TABLE	
AAA-NOTIFIED SPC (ASPC)	SOURCE SPC (ASPCsrc)				
	DESTINATION SPC (ASPCdst)				

FIG. 47

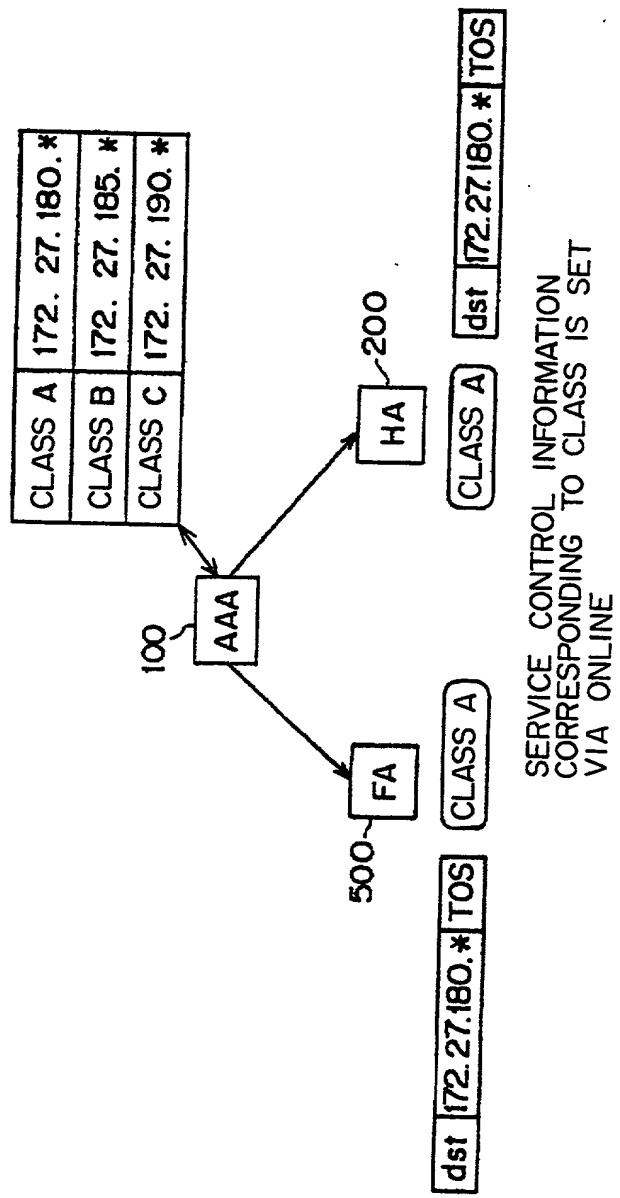
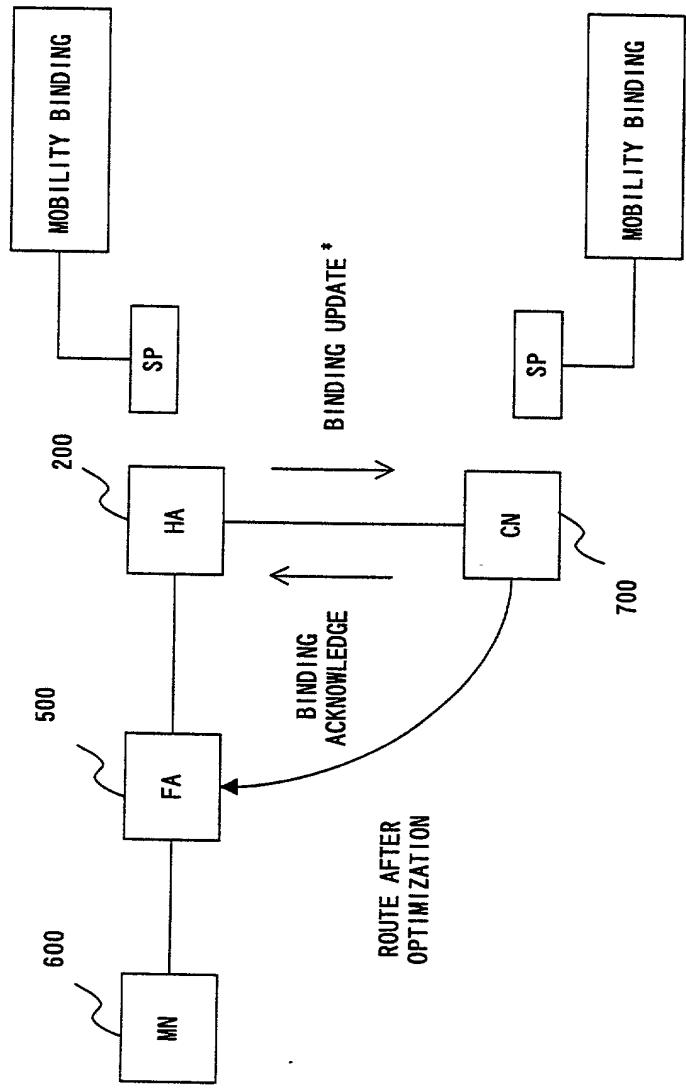


FIG. 48

signalling of a roaming session between a mobile node and a foreign network



F I G. 49

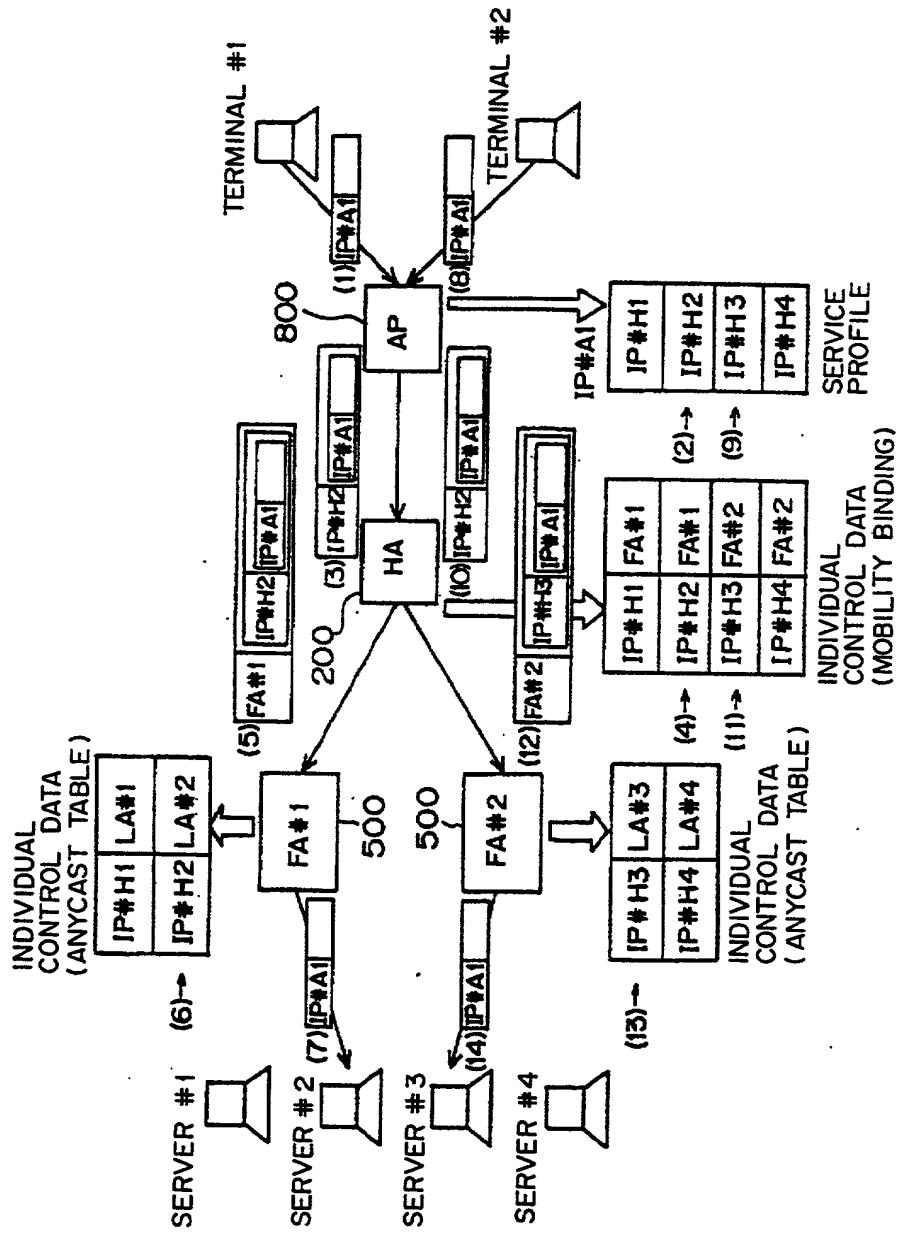


FIG. 50

CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	ANYCAST ADDRESS
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	I P in I P
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	HOME ADDRESS 1 OF MN HOME ADDRESS 2 OF MN
	T O S	SPECIFIED WHEN Diff-Serv IS ALSO USED
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	*

F I G. 51

CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	HOME ADDRESS OF MN
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	SPECIFIED WHEN Diff-Serv IS ALSO USED
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	MOBILITY BINDING

F I G. 5 2

CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	HOME ADDRESS OF MN
	DESTINATION PORT NUMBER	*
	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
ROUTING/PACKET EDITTING INFORMATION	T O S	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
	NEXT SERVICE CONTROL TYPE	ANYCAST
INDIVIDUAL CONTROL INFORMATION		

FIG. 53

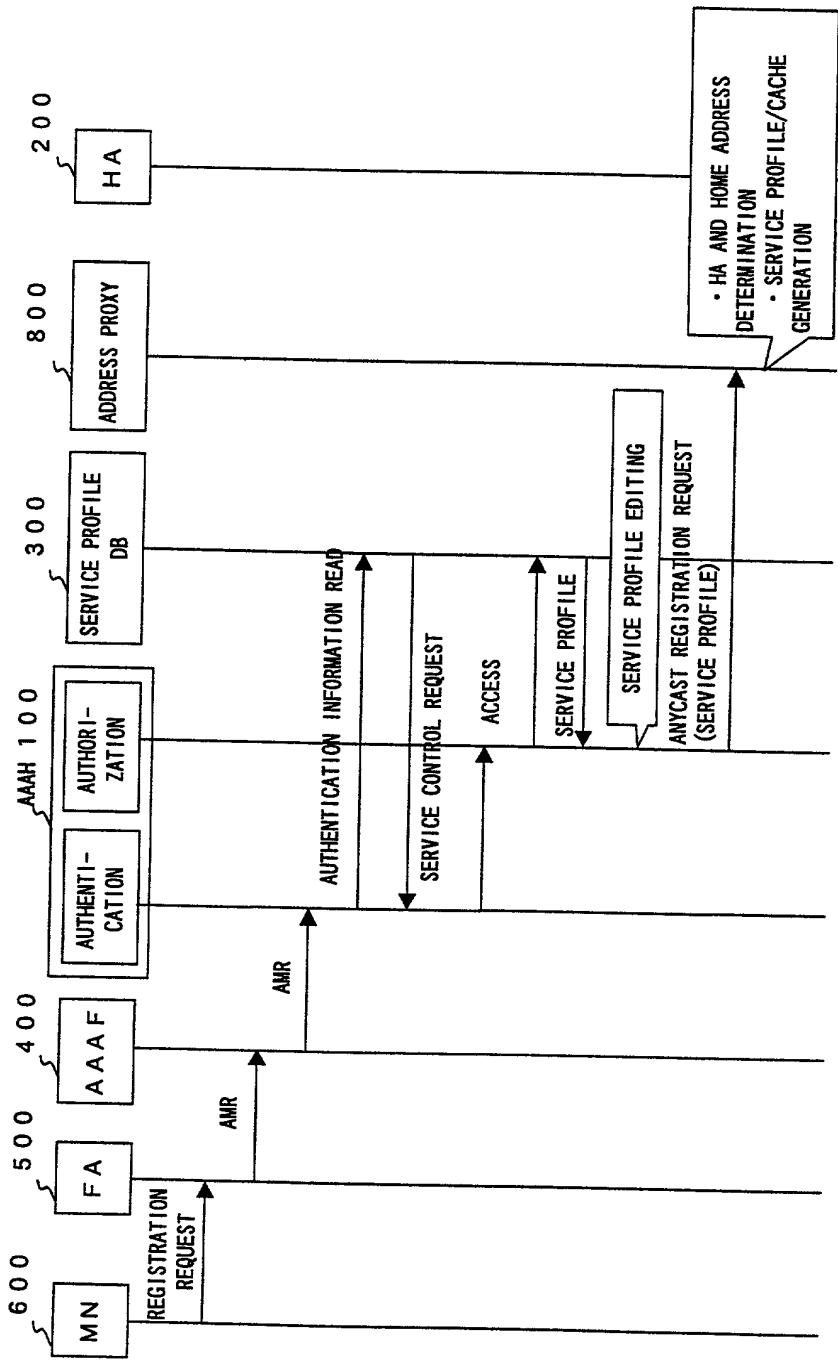
CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	CARE-OF ADDRESS OF FA ITSELF
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	T O S	*
	DECAPSULATION INSTRUCTION	GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	SERVICE CACHE

FIG. 54

CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET	VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*	
	SOURCE PORT NUMBER	*	
	DESTINATION ADDRESS	HOME ADDRESS OF MN	
	DESTINATION PORT NUMBER	*	
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*	
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*	
	TOS	*	
	DECAPSULATION INSTRUCTION	NOT GIVEN	
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	VISITOR LIST	

FIG. 55

FIG. 56



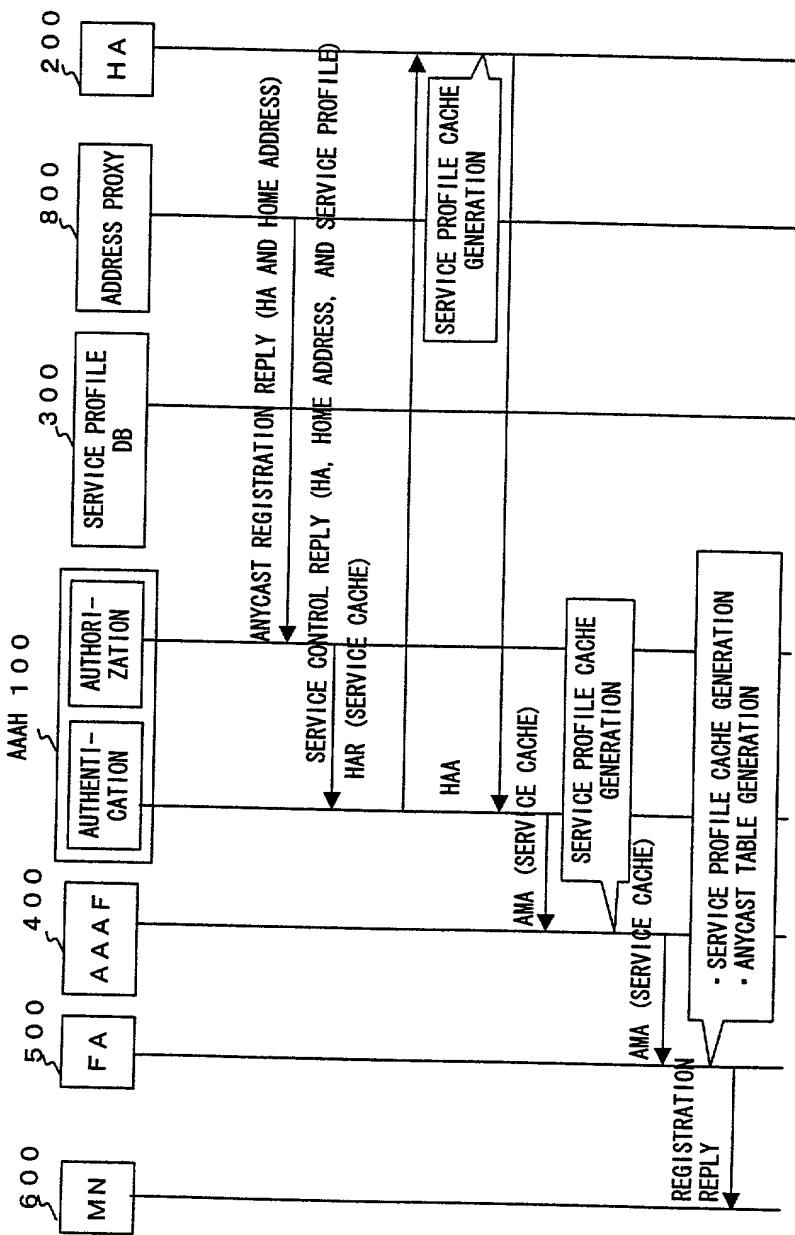
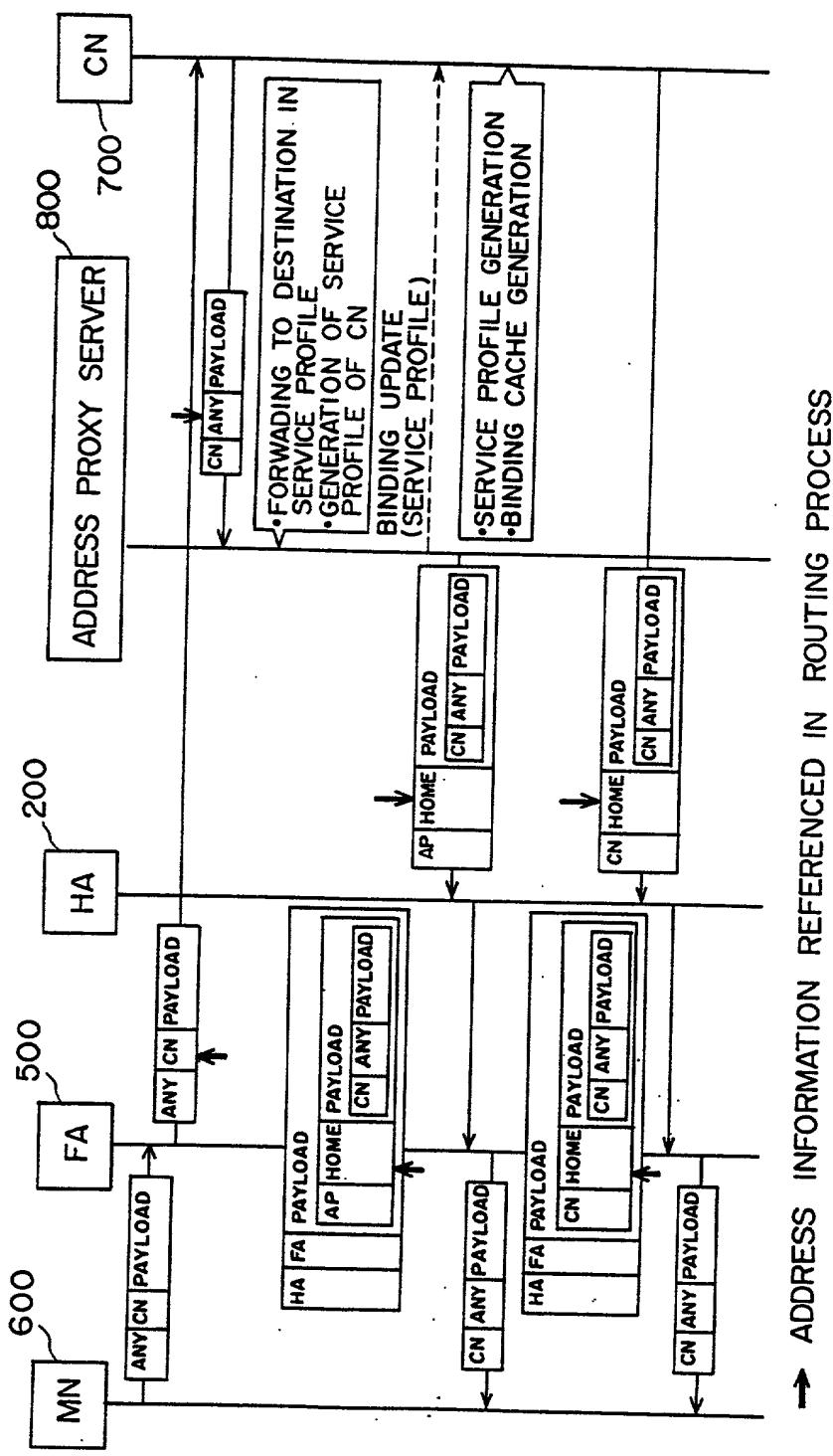


FIG. 57



→ ADDRESS INFORMATION REFERENCED IN ROUTING PROCESS

FIG. 58

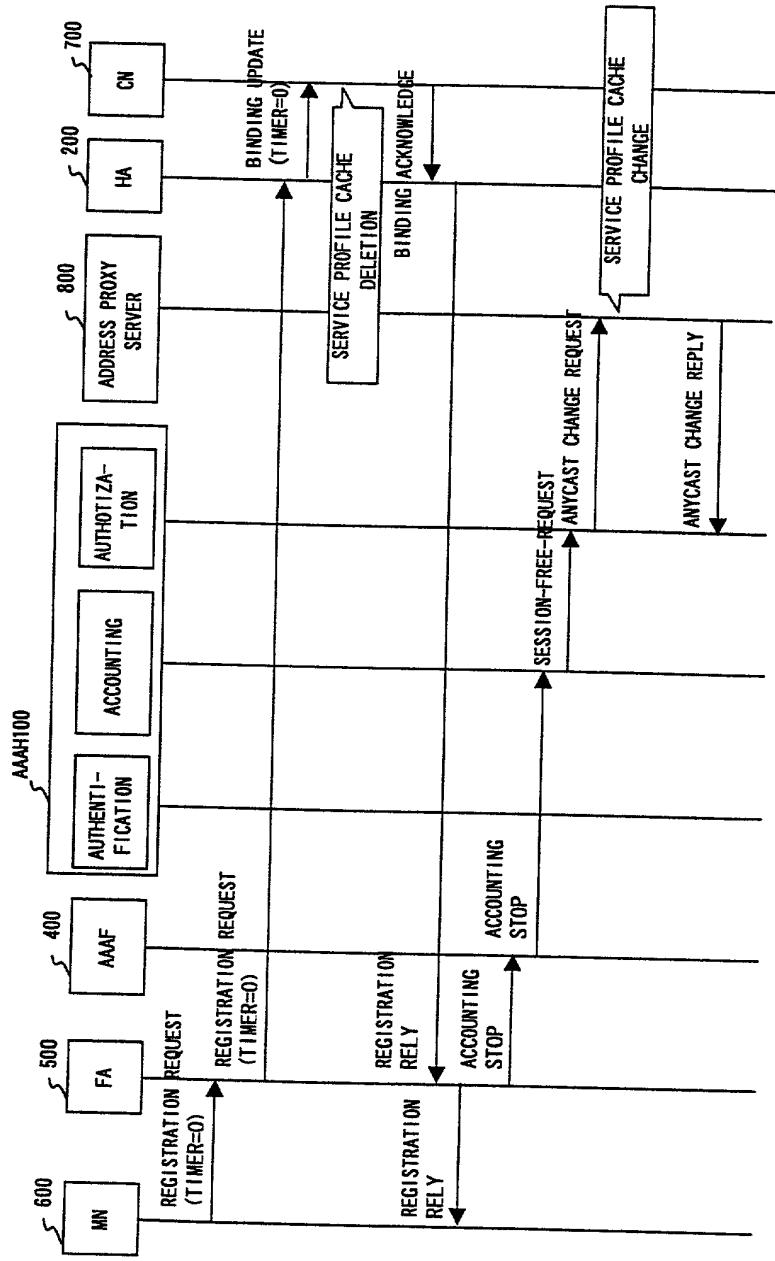


FIG. 59

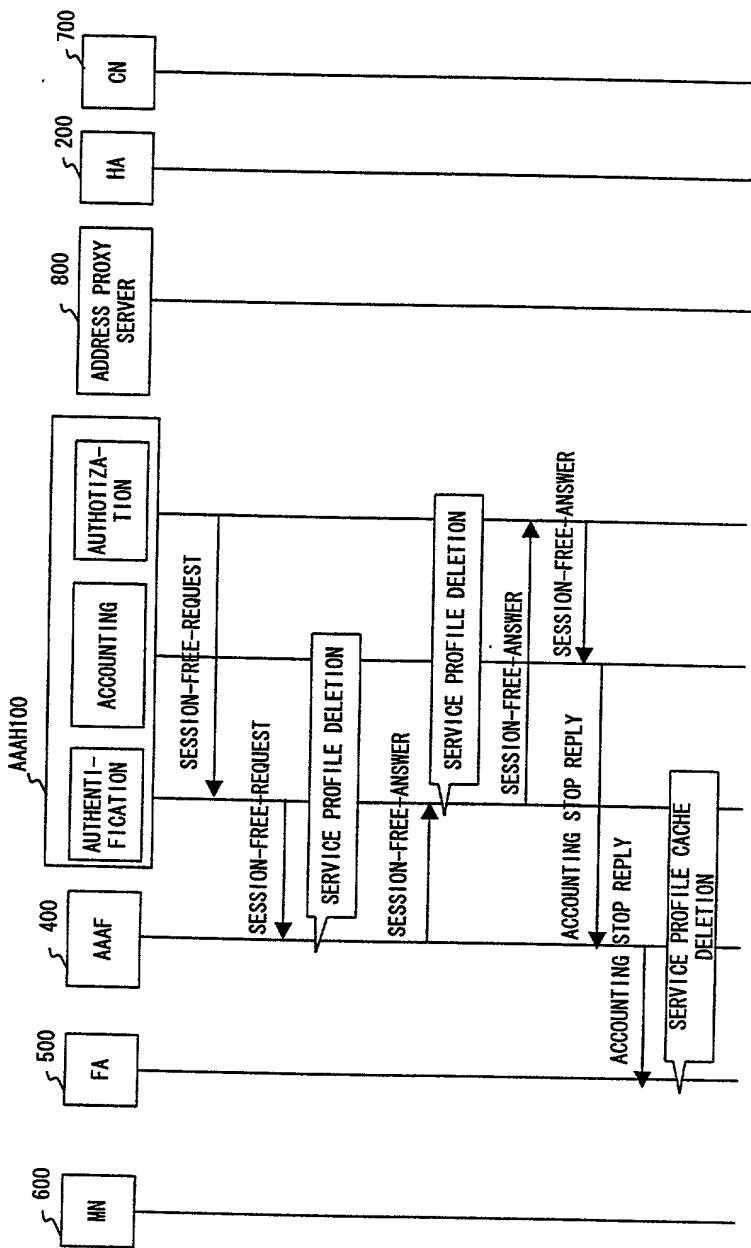


FIG. 60

[MOBILE-IP MESSAGE]

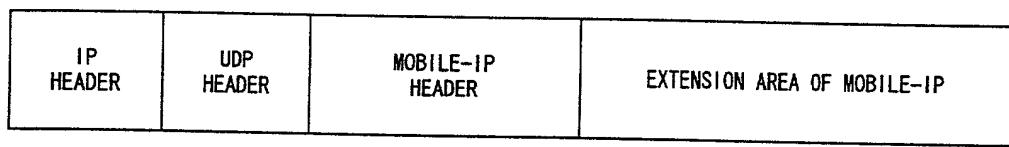
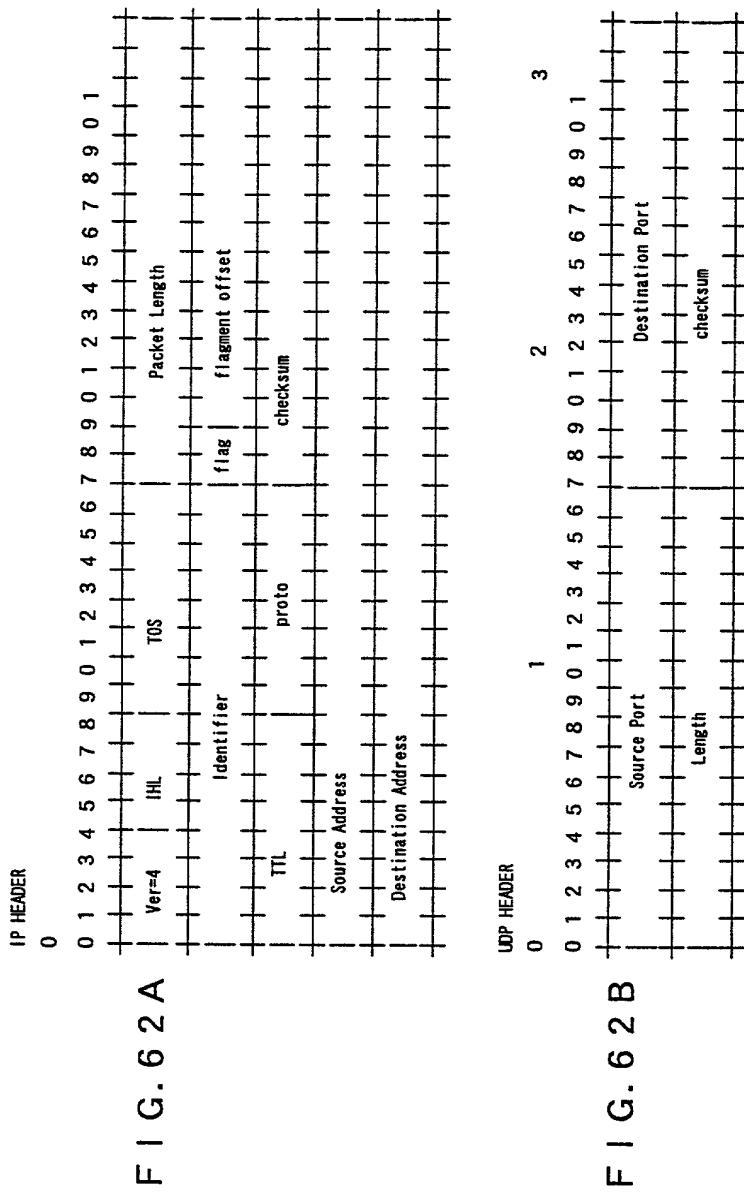


FIG. 61



then come to you and speak to you and tell you what you want to know.

BETWEEN MOBILE NODE AND FOREIGN AGENT (CONFIGURATION OF Mobile-IP REGISTRATION REQUEST MESSAGE)

FIG. 63 A

F | G. 6 3 A

Diagram illustrating the structure of the IPv6 header, showing fields and their offsets (in bytes) from the start of the header. The header is 32 bytes long, divided into 8 4-byte words.

Fields and their offsets:

- Type (0):** 0-1
- Version (1):** 2
- Next Header (2):** 3
- Payload Length (4):** 4
- Options (5-15):**
 - Type (0):** 5
 - Version (1):** 6
 - Next Header (2):** 7
 - Options (8-15):** 8-15
- Identification (16):** 16
- Flags (17):** 17
- Fragment Offset (18):** 18
- Lifetime (19):** 19
- Header Checksum (20):** 20
- Source Address (21-24):** 21-24
- Destination Address (25-28):** 25-28

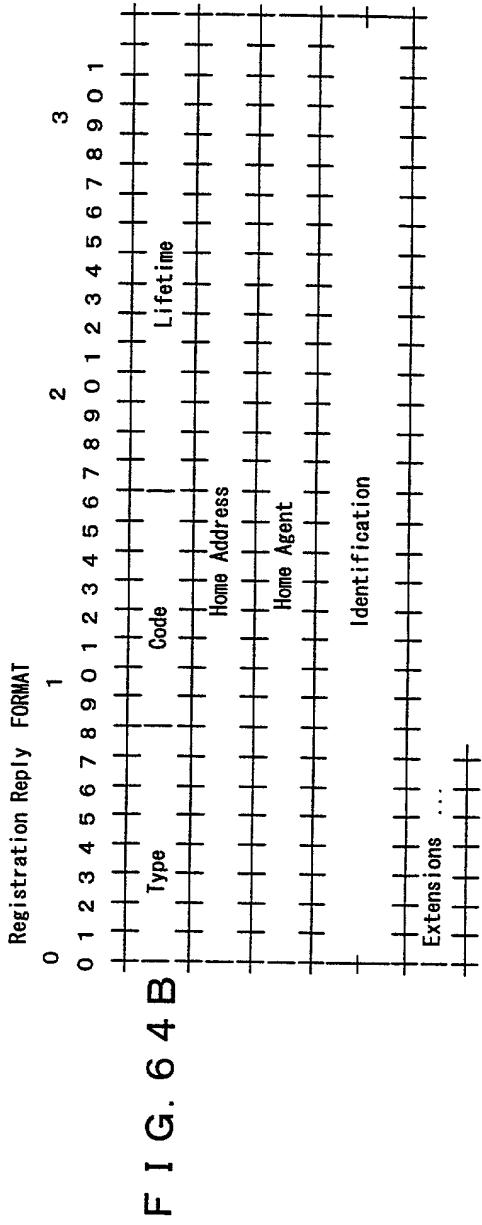
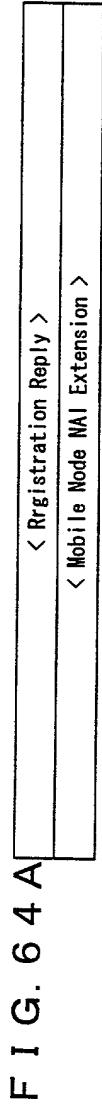
EXTENSION AREA ... (starts at offset 29)

FIG. 63 C

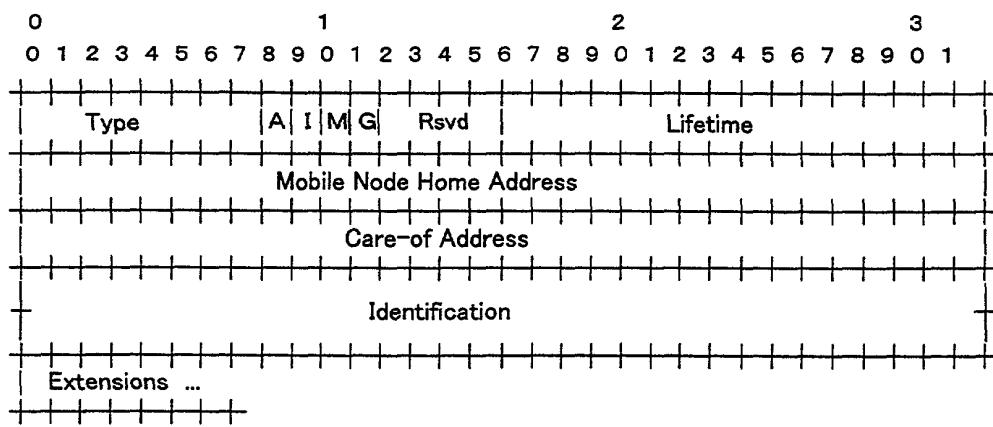
EXTENSION AREA NO. 1 (Mobile Node NAI Extension)

EXTENSION AREA NO. 2 (Previous Foreign Agent Notification Extension)

BETWEEN MOBILE NODE AND FOREIGN AGENT (CONFIGURATION OF MOBILE-
IP REGISTRATION REQUEST MESSAGE)

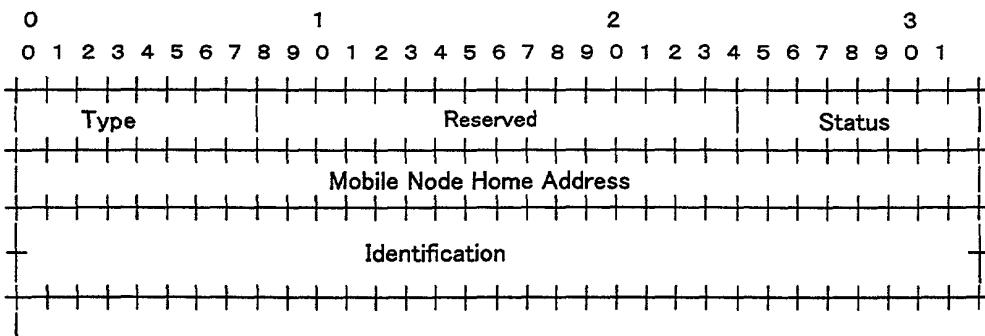


Binding Update FORMAT



F I G. 65

Binding Acknowledge FORMAT



F I G. 66

[DIAMETER MESSAGE]

IP HEADER	UDP HEADER	DIAMETER HEADER	DIAMETER AVP GROUP
-----------	------------	-----------------	--------------------

F I G. 6 7

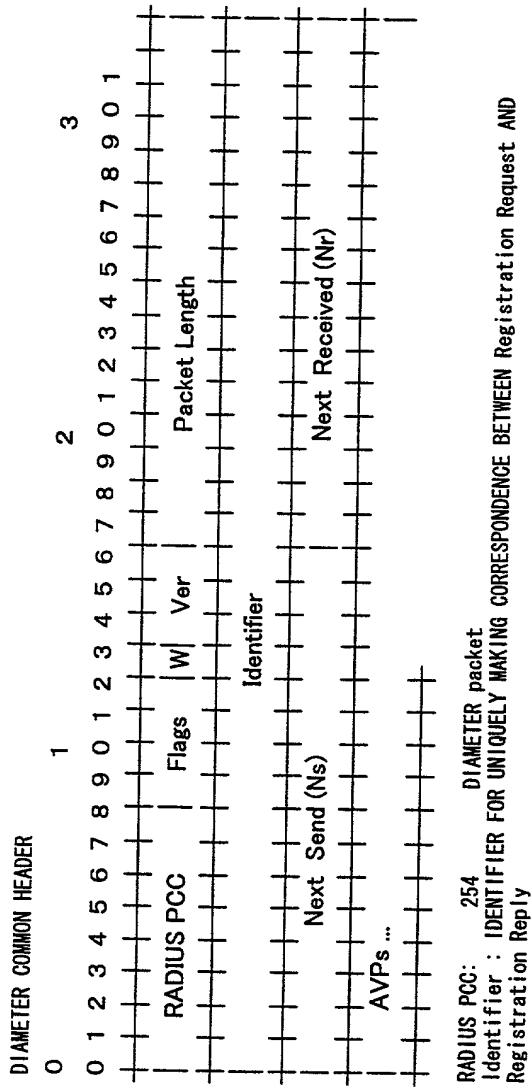
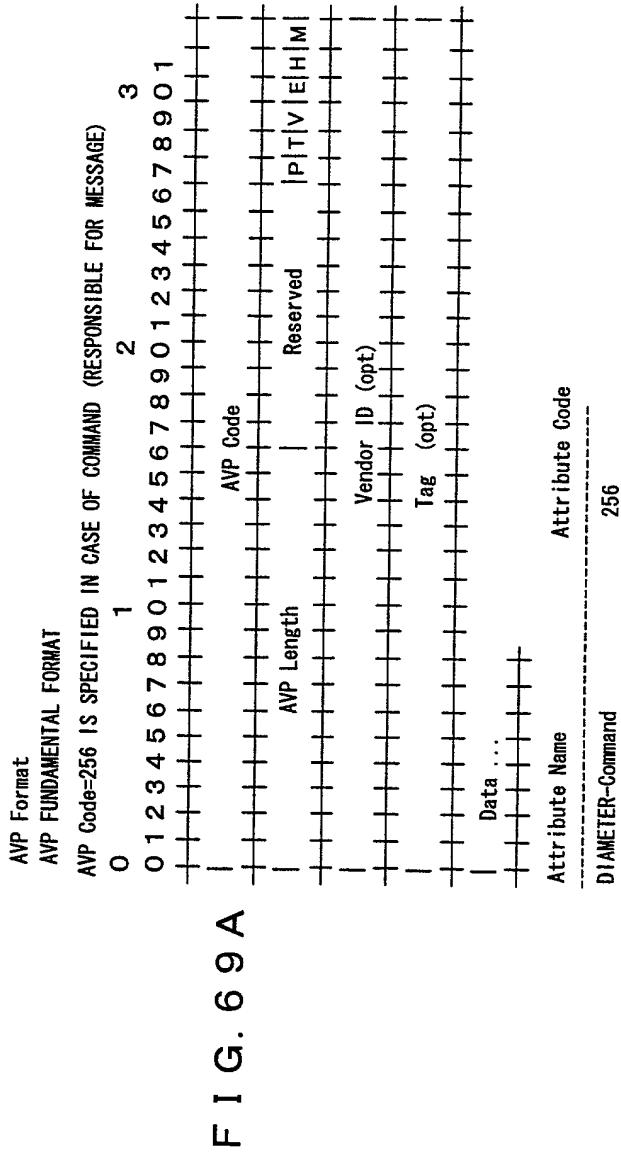


FIG. 68



وَالْمُنْتَهَىُ إِلَيْهِ مُنْتَهَىُ الْعُوْجَىٰ

DIAMETER-Command AVP
COMMAND CODE CORRESPONDS TO MESSAGE TYPE

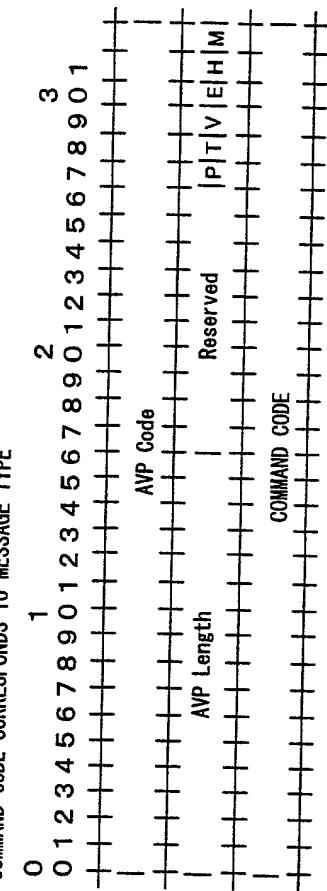


FIG. 69 B

BETWEEN FOREIGN AGENT AND AAAH SERVER

< DIAMETER Header >
< AA-Mobile-Node-Request Command AVP >
< SESSION ID AVP >
< User-Name AVP >
< MIP-Registration-Request AVP >
< MN-FA-Challenge AVP >
< MN-FA-Response AVP >
< Mobile-Node-Address AVP >
< Home-Agent-Address AVP >
< Previous-FA-NAI AVP >
< MN-FA-SPI AVP >
< Timestamp AVP >
< Initialization-Vector AVP >
< Integrity-Check-Vector AVPN > OR < Digital-Signature AVP >

F I G. 70

BETWEEN AAAH SERVER AND HOME AGENT

< DIAMETER Header >
< Home-Agent-MIP-Request Command AVP >
< SESSION Id AVP >
< User-Name AVP >
< MIP-Registration-Request AVP >
< MN-HA-SPI AVP >
< HA-to-MN-Key AVP >
< MN-to-HA-Key AVP >
< FA-HA-SPI AVP >
< HA-to-FA-Key AVP >
< MN-FA-SPI AVP >
< MN-to-FA-Key AVP >
< Home-Agent-Address AVP >
< Mobile-Node-Address AVP >
< Session-Timeout AVP >
< Timestamp AVP >
< Initialization-Vector AVP >
< Integrity-Check-Vector AVP > OR < Digital-Signature AVP >

F I G. 71

BETWEEN FOREIGN AGENT AND AAAH SERVER

< DIAMETER Header >
< AA-Mobile-Node-Answer Command AVP >
< SESSION Id AVP >
< Result-Code AVP >
[< Error-Code AVP >]
< MIP-Registration-Reply AVP >
< MN-FA-SPI AVP >
< FA-to-MN-Key AVP >
< FA-HA-SPI AVP >
< FA-to-HA-Key AVP >
< Home-Agent-Address AVP >
< Mobile-Node-Address AVP >
< Session-Timeout AVP >
< Timestamp AVP >
< Initialization-Vector AVP >
[< Integrity-Check-Vector AVP > OR < Digital-Signature AVP >]

F I G. 72

BETWEEN AAAH SERVER AND HOME AGENT

< DIAMETER Header >
< Home-Agent-MIP-Answer Command AVP >
< SESSION Id AVP >
< Result-Code AVP >
[< Error-Code AVP >]
< MIP-Registration-Reply AVP >
< Mobile-Node-Address AVP >
< Home-Agent-Address AVP >
< Timestamp AVP >
< Initialization-Vector AVP >
[< Integrity-Check-Vector AVP > OR < Digital-Signature AVP >]

F I G. 7 3